



CATALOG 1968-1969

# Amherst College Bulletin

VOLUME 58 • NUMBER 1

OCTOBER 1968



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VOLUME 58 • NUMBER 1

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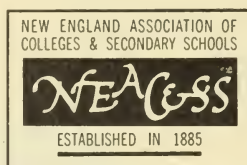
# DIRECTIONS FOR CORRESPONDENCE

The post office and telegraph address of the College is Amherst, Massachusetts, 01002. The telephone number for all departments is 542-2000 (Area Code 413).

General information about Amherst College is available upon request from the Office of the Secretary, Box 65, Amherst College, Amherst, Massachusetts 01002.

Specific inquiries on the following subjects should be addressed to the officers named below:

|                         |   |
|-------------------------|---|
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| Business matters        | Minot Grose, <i>Business Manager</i>                    |
| Catalogs and brochures  | Horace W. Hewlett, <i>Secretary of the College</i>      |
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| Student affairs         | Dean Robert A. Ward                                     |
| Transcripts and records | Robert F. Grose, <i>Registrar</i>                       |



The New England Association of Colleges and Secondary Schools accredits schools and colleges in the six New England states. Membership in one of the six regional accrediting associations in the United States indicates that the school or college has been carefully evaluated and found to meet standards agreed upon by qualified educators. Colleges support the efforts of public school and community officials to have their secondary school meet the standards of membership.

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# 1968-1970

| JULY 1968            | AUGUST               | SEPTEMBER            | OCTOBER              |
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| NOVEMBER             | DECEMBER             | JANUARY 1970         | FEBRUARY             |
|----------------------|----------------------|----------------------|----------------------|
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| MARCH                | APRIL                | MAY                  | JUNE                 |
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| 29 30 31 .....       | 26 27 28 29 30 ..... | 24 25 26 27 28 29 30 | 28 29 30 .....       |
| .....                | .....                | 31 .....             | .....                |

# COLLEGE CALENDAR

## 1968

*September 11, Wednesday.* Classes begin, 9:00 A.M.

*October 19, Saturday.* Parents Day. Rochester football game.

*October 26, Saturday.* Wesleyan football game at Middletown. A holiday.

*November 16, Saturday.* Williams football game. A holiday.

*November 26, Tuesday.* Thanksgiving recess begins, 5:00 P.M.

*December 2, Monday.* Thanksgiving recess ends, 8:40 A.M.

*December 14, Saturday.* Christmas recess begins, 11:50 A.M.

## 1969

*January 3, Friday.* College facilities open.

*January 6–11, Monday–Saturday.* One week of classes.

*January 15–21, Wednesday–Tuesday.* First semester examination period.

*January 27, Monday.* Beginning of second semester, 8:40 A.M.

*March 21, Friday.* Spring vacation begins, 5:00 P.M.

*March 21, Friday.* Fraternity Rushing Period Begins, 7:00 P.M.

*March 23, Sunday.* Fraternity Rushing Period Ends, 6:00 P.M.

*April 7, Monday.* Spring vacation ends, 8:40 A.M.

*May 3, Saturday.* Dance Holiday.

*May 17, Saturday.* Classes end, 11:50 A.M.

*May 22–28, Thursday–Wednesday.* Second semester examination period.

*June 6, Friday.* Commencement.



# I

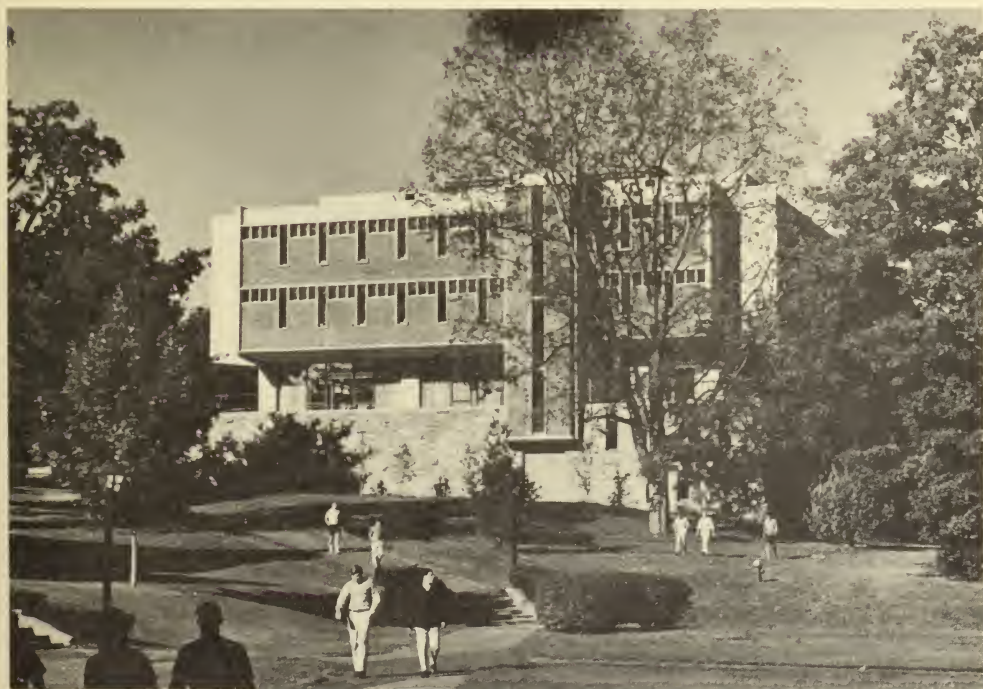
THE CORPORATION

FACULTY

FELLOWS

ADMINISTRATION

*The Robert Frost Library*





# The Corporation

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Oliver Boutwell Merrill, LL.B., *New York, New York*  
John Anthony Hill, LL.B., *New York, New York*  
Harry William Knight, M.B.A., *Darien, Connecticut*  
Howard Oliver Colgan, Jr., LL.B., *New York, New York*  
William Henry Hastie, S.J.D., *Philadelphia, Pennsylvania*  
Everett Milton Hicks,\* M.B.A., *Worcester, Massachusetts*  
Walter Orr Roberts,\* PH.D., *Boulder, Colorado*  
George Leslie Cadigan,\* B.A., *St. Louis, Missouri*  
George Bickley Beitzel,\* M.B.A., *Chappaqua, New York*  
David Bicknell Truman,\* PH.D., *New York, New York*  
George Latimer Shinn,\* B.A., *Morristown, New Jersey*

## SECRETARY OF THE CORPORATION

James Alfred Guest, LL.B., *Amherst, Massachusetts*

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Robert Washburn Maynard, LL.B., *Boston, Massachusetts*  
Arthur Lee Kinsolving, B.D., *New York, New York*  
Lewis Williams Douglas, B.A., *Phoenix, Arizona*  
Eustace Seligman, LL.B., *New York, New York*  
Frank Learoyd Boyden, B.A., *Deerfield, Massachusetts*

\*The terms of the Alumni Trustees expire as follows: Everett Milton Hicks, 1969; Walter Orr Roberts, 1970; George Leslie Cadigan, 1971; George Bickley Beitzel, 1972; David Bicknell Truman, 1973; George Latimer Shinn, 1974.



## COMMITTEES OF THE CORPORATION

The Chairman of the Corporation and the President of the College are members, *ex officiis*, of all committees.

**Executive Committee.** Messrs. Bixler, DeBevoise, Gellhorn, Hicks, Hill, Knight, Merrill (Chairman), Plimpton.

**Budget and Finance Committee.** Messrs. Beitzel (Chairman), DeBevoise, Hicks, Hill, Kingman, Merrill, Seligman, Shinn.

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**Instruction Committee.** Messrs. Beitzel, Bixler, Cadigan, DeBevoise, Gellhorn, Hastie, Plimpton, Roberts, Seligman, Shinn, Truman (Chairman).

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**Folger Shakespeare Library Committee.** Messrs. Bixler, Colgan, Hastie, Plimpton (Chairman), Roberts, Seligman, Shinn.

**Committee on Fraternities and Student Life.** Messrs. Beitzel, Bixler, Cadigan, Colgan, DeBevoise, Gellhorn (Chairman), Hastie, Knight, Merrill, Shinn, Truman.

**Compensation Committee.** Messrs. Cadigan, Colgan, Gellhorn, Hicks (Chairman), Hill, Kingman, Knight, Roberts, Seligman, Truman.

**Committee on Development.** Messrs. Beitzel, Colgan (Chairman), Hill, Knight, Merrill, Plimpton, Roberts.

The corporate name of the College is:  
THE TRUSTEES OF AMHERST COLLEGE

# Faculty

**Calvin Hastings Plimpton**, *President of the College*. B.A. (1939) Amherst College; M.D. (1943), M.A. (1947) Harvard University; Med. Sc.D. (1951) Columbia University; LL.D. (1960) Williams College; LL.D. (1961) Wesleyan University; Sc.D. (1962) Rockford College; LL.D. (1962) Doshisha University; L.H.D. (1962) University of Massachusetts; Sc.D. (1963) Saint Mary's College; LL.D. (1963) St. Lawrence University; Litt.D. (1965) American International College; Sc.D. (1966) Trinity College; Sc.D. (1967) Grinnell College.

**Prosser Gifford**, *Dean of the Faculty*. B.A. (1951) Yale University; B.A. (1953) Merton College, Oxford University; LL.B. (1956) Harvard Law School; Ph.D. (1964) Yale University.

**Eugene Smith Wilson**, *Dean of Admission*. B.A. (1929) Amherst College.

**Robert Appleby Ward**, *Dean of Students*. B.A. (1957) Amherst College; Ed.M. (1966) Harvard University.

**Edward Baker Wall**, *Associate Dean of Admission*. B.A. (1956) Yale University.

**Henry Miller Littlefield**, *Assistant Dean*. B.A. (1954); M.A. (1959), Ph.D. (1967), Columbia University.

**Nathaniel Reed**, *Assistant Dean*. B.A. (1955), Ph.D. (1964) Yale University.

**Donald McMillan Routh**, *Assistant Dean*. B.A. (1958) Amherst College; M.A.T. (1960) Johns Hopkins University.

**Robert Freeman Grose**, *Registrar*. B.A. (1944); M.S. (1947), Ph.D. (1953) Yale University.

## EMERITI

**Charles Woolsey Cole**, *President, Emeritus*. B.A. (1927) Amherst College; A.M. (1928), Ph.D. (1931) Columbia University; L.H.D. (1942) Amherst College, (1951) University of Massachusetts, (1953) Trinity College; LL.D. (1946) Wagner College, (1946) Wesleyan University, (1946) Williams College, (1952) American International College, (1953) Doshisha University, (1954) Columbia University, (1960) Amherst College; Litt.D. (1948) Hamilton College; Sc.D. (1948) Clarkson College; LL.D. (1964) Emerson College.

**George William Bain**, *Samuel A. Hitchcock Professor of Mineralogy and Geology, Emeritus*. B.Sc. (1921), M.Sc. (1923) McGill University; M.A. (1923), Ph.D. (1927) Columbia University; M.A. (hon. 1941) Amherst College.

AMHERST COLLEGE

**Ralph Alonzo Beebe**, *Massachusetts Professor of Chemistry, Emeritus*. B.A. (1920) Amherst College; Ph.D. (1923) Princeton University.

**Bailey Lefevre Brown**, *Professor of Mathematics, Emeritus*. B.A. (1924) Amherst College; M.A. (1925) Princeton University.

**Paul Witherspoon Eckley**, *Professor of Physical Education, Emeritus*. B.A. (1917) Cornell University; M.A. (hon. 1949) Amherst College.

**George Banks Funnell**, *Professor of French, Emeritus*. B.A. (1924) Amherst College; M.A. (1928) Harvard University.

**George Rolfe Humphries**, *Lecturer in English, Emeritus*. B.A. (1915), M.A. (hon. 1950) Amherst College.

**Gail Kennedy**, *Henry C. Folger Professor of Philosophy, Emeritus*. B.A. (1922) University of Minnesota; Ph.D. (1928) Columbia University; M.A. (hon. 1948) Amherst College.

**Michael Joseph Kennedy**, *Associate Professor of Physical Education, Emeritus*.

**Sterling Power Lamprecht**, *Emily C. Jordan Folger Professor of Philosophy, Emeritus*. B.A. (1911) Williams College; M.A. (1912) Harvard University; B.D. (1915) Union Theological Seminary; Ph.D. (1918) Columbia University; M.A. (hon. 1934) Amherst College; Litt.D. (1957) Williams College.

**Karl Loewenstein**, *William Nelson Cromwell Professor of Jurisprudence and Political Science, Emeritus*. B.L. (1914), D.C.L. (1919) University of Munich; M.A. (hon. 1940) Amherst College.

**Allison Wilson Marsh**, *Professor of Hygiene and Physical Education, Emeritus*. B.A. (1913) Amherst College; M.Ed. (1925) Harvard University; L.H.D. (1963) Amherst College.

**Charles Hill Morgan**, *Professor of Fine Arts on the William R. Mead Foundation, Emeritus*. B.A. (1924), M.A. (1926), Ph.D. (1928) Harvard University; M.A. (hon. 1938) Amherst College; LL.D. (1960) University of Vermont.

**Harold Henry Plough**, *Edward S. Harkness Professor of Biology, Emeritus*. B.A. (1913) Amherst College; M.A. (1915), Ph.D. (1917) Columbia University; Sc.D. (1963) Amherst College.

**Steven Martin Rostas**, *Professor of Physical Education, Emeritus*. B.A. (1921) Br. Eötvös, Budapest; M.Ed. (1942) University of Massachusetts; M.A. (hon. 1961) Amherst College.

**Edward Dwight Salmon**, *Winkley Professor of History, Emeritus*. B.S. (1917) University of Rochester; M.A. (1923), Ph.D. (1934) Harvard University; M.A. (hon. 1938) Amherst College.

## FACULTY

**Oscar Emile Schotté**, *Rufus Tyler Lincoln Professor of Biology, Emeritus.* B.S. (1920), Sc.D. (1925) University of Geneva; M.A. (hon. 1944) Amherst College.

**Theodore Soller**, *Professor of Physics, Emeritus* B.A. (1922) Oberlin College; M.A. (1924), Ph.D. (1931) University of Wisconsin, M.A. (hon. 1946) Amherst College.

**Atherton Hall Sprague**, *Professor of Mathematics, Emeritus.* B.A. (1920) Amherst College; M.A. (1923), Ph.D. (1941) Princeton University.

**George Rogers Taylor**, *George D. Olds Professor of Economics, Emeritus.* Ph.B. (1921), Ph.D. (1929) University of Chicago; M.A. (hon. 1939) Amherst College.

**Willard Long Thorp**, *Professor of Economics, Emeritus.* B.A. (1920) Amherst College; M.A. (1921) University of Michigan; Ph.D. (1924) Columbia University; LL.D. (1935) Marietta College, (1949) Amherst College, (1950) Albright College, (1960) University of Massachusetts, (1960) University of Michigan.

**Charles Hansen Toll**, *Professor of Philosophy and Psychology, Emeritus.* B.A. (1904) Hamilton College; M.A. (1905) Harvard University; Ph.D. (1909) University of Freiburg; M.A. (hon. 1934) Amherst College.

## PROFESSORS

**Hugh George Jeffrey Aitken**, *Professor of Economics.* B.A. (1943), M.A. (1947) St. Andrews University; M.A. (1948) University of Toronto; Ph.D. (1951) Harvard University; M.A. (hon. 1966) Amherst College.

**Theodore Baird**, *Samuel Williston Professor of English.* B.A. (1921) Hobart College; M.A. (1922), Ph.D. (1929) Harvard University; M.A. (hon. 1939) Amherst College.

**Bruce Buzzell Benson**, *Professor of Physics.* B.A. (1943) Amherst College; M.S. (1945), Ph.D. (1947) Yale University.

**Norman Birnbaum**, *Professor of Sociology.* B.A. (1947) Williams College; M.A. (1951) Harvard University; M.A. (1960) Oxford University; Ph.D. (1958) Harvard University.

**Robert Charles Birney**, *Visiting Professor of Psychology.* B.A. (1952) Wesleyan University; M.A. (1953), Ph.D. (1955) University of Michigan; M.A. (hon. 1965) Amherst College.

**Walter Leroy Boughton**, *Stanley King Professor of Dramatic Arts and Director of Kirby Memorial Theater.* B.A. (1941), M.A. (1949) Brown University; M.F.A. (1951) Yale University; M.A. (hon. 1964) Amherst College.

## AMHERST COLLEGE

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**Gerald Patrick Brophy**, *Professor of Geology*. B.A. (1951), M.A. (1953), Ph.D. (1954) Columbia University; M.A. (hon. 1968) Amherst College.

**Lincoln Pierson Brower**, *Professor of Biology*. B.A. (1953) Princeton University; Ph.D. (1957) Yale University; M.A. (hon. 1968) Amherst College.

**Stephen Brown**, *College Physician & Parmly Billings Professor of Hygiene*. B.A. (1928) Amherst College; M.D. (1932) Yale University.

**Jeffrey James Carre**, *Professor of Romance Languages*. B.A. (1940) Bowdoin College; Ph.D. (1950) Columbia; M.A. (hon. 1964) Amherst College.

**Richard John Cody**, *Professor of English*. B.A. (1952) University of London (University College, Southampton); M.A. (1958), Ph.D. (1961) University of Minnesota; M.A. (hon. 1968) Amherst College.

**Arnold Coltery**, *Professor of Economics*. B.A. (1950) University of Buffalo; Ph.D. (1958) Princeton University; M.A. (hon. 1964) Amherst College.

**Henry Steele Commager**,\* *Winthrop H. Smith Professor of American History*. Ph.B. (1923), M.A. (1924), Ph.D. (1928) University of Chicago; M.A. (hon. 1947) Cambridge University, (hon. 1952) Oxford University, (hon. 1957) Amherst College; Litt.D. (1958) Washington College, (1958) Ohio Wesleyan University, (1959) Monmouth College; Ed.D. (1960) Rhode Island College of Education; LL.D. (1960) Brandeis University, (1960) Michigan State University, (1962) Franklin and Marshall College; D.Litt. (1962) Cambridge University; L.H.D. (1962) University of Hartford, (1963) University of Puget Sound; Honorary Fellow, Peterhouse; D.C.L. (1964) Alfred University; LL.D. (1964) University of Pittsburgh; Litt.D. (1965) Marymont College; D.H.L. (1966) Carlton College; LL.D. (1967) Marietta College.

**Haskell Robert Coplin**, *Professor of Psychology and Student Counselor*. B.A. (1947), M.A. (1948), Ph.D. (1951) University of Michigan; M.A. (hon. 1957) Amherst College.

**Daniel Corrigan**, *Minister to the College*. B.D. (1926), S.T.M. (1943), D.D. (hon. 1955) Nashatah Theological Seminary.

**George Armour Craig**, *Professor of English*. B.A. (1937) Amherst College; M.A. (1938), Ph.D. (1947) Harvard University.

**Benjamin Haile DeMott**,\* *Professor of English*. B.A. (1949) George Washington University; M.A. (1950), Ph.D. (1953) Harvard University; M.A. (hon. 1960) Amherst College.

\*On leave 1968-69.



## FACULTY

**Colby Wilson Dempsey**, *Professor of Physics*. B.A. (1952) Oberlin College; M.A. (1955), Ph.D. (1957) Rice Institute; M.A. (hon. 1968) Amherst College.

**Henry Frederick Dunbar, Jr.**, *Professor of Physical Education*. B.A. (1944) Amherst College; M.A. (1949) Teachers College, Columbia University; Ph.D. (1950) Columbia University.

**Joseph Epstein**, *Professor of Philosophy*. B.S.S. (1939) City College of New York; Ph.D. (1951) Columbia University; M.A. (hon. 1961) Amherst College.

**Richard Martin Foose**,\* *Professor of Geology*. B.S. (1937) Franklin and Marshall College; M.S. (1939) Northwestern University; Ph.D. (1942) Johns Hopkins University; M.A. (hon. 1964) Amherst College.

**Reginald Foster French**, *Professor of Romance Languages*. B.A. (1927) Dartmouth College; M.A. (1928), Ph.D. (1934) Harvard University; M.A. (hon. 1947) Amherst College.

**Elmo Giordanetti**, *Professor of Romance Languages*. B.A. (1951) Bowdoin College; M.A. (1954), Ph.D. (1959) Princeton University; M.A. (hon. 1968) Amherst College.

**Joel Ethan Gordon**,\* *Professor of Physics*. B.A. (1952) Harvard University; Ph.D. (1958) University of California; M.A. (hon. 1968) Amherst College.

**Theodore Pinney Greene**, *Professor of History*. B.A. (1943) Amherst College; M.A. (1948) Columbia University.

**John Burt Halsted**, *Professor of History*. B.A. (1948), M.A. (1949) Wesleyan University; Ph.D. (1954) Columbia University; M.A. (hon. 1966) Amherst College.

**Edward Robert Harrison**, *Professor, Four-College Department of Astronomy*. Fellow, Institute of Physics (England); Fellow, Royal Astronomical Society.

**Alfred Freeman Havighurst**,† *Professor of History*. B.A. (1925) Ohio Wesleyan University; M.A. (1928) University of Chicago; Ph.D. (1936) Harvard University; M.A. (hon. 1955) Amherst College.

**William Michael Hexter**, *Professor of Biology*. B.A. (1949) University of California (Berkeley); M.A. (1951), Ph.D. (1953) University of California; M.A. (hon. 1966) Amherst College.

**Ernest Alfred Johnson**, *Professor of Romance Languages*. B.A. Amherst College (1939); M.A. (1940) University of Chicago; M.A. (1941), Ph.D. (1950) Harvard University.

\*On leave 1968–69.

†On leave first semester 1968–69.

## AMHERST COLLEGE

**R(ober) Francis Johnson**, *Visiting Professor of Religion*. B.A. (1943) Washington and Lee University; B.D. (1946), Th.D. (1953) Union Theological Seminary.

**George Anthony Kateb**, *Professor of Political Science*. B.A. (1952), M.A. (1953), Ph.D. (1960) Columbia University; M.A. (hon. 1967) Amherst College.

**William Elmer Kennick**,\* *Professor of Philosophy*. B.A. (1945) Oberlin College; Ph.D. (1952) Cornell University; M.A. (hon. 1962) Amherst College.

**George Wallace Kidder**, *Stone Professor of Biology*. B.A. (1926) University of Oregon; M.A. (1929) University of California; Ph.D. (1932) Columbia University; M.A. (hon. 1949) Amherst College; Sc.D. (hon. 1950) Wesleyan University.

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\*On leave 1968-69.

‡On leave second semester 1968-69.



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**John Andrew Moore**, *Class of 1880 Professor of the Classics*. B.A. (1938), M.A. (1940) Harvard University; M.A. (hon. 1958) Amherst College.

**Charles Hill Morgan**, *Lecturer in Fine Arts & Director of Mead Art Museum*. B.A. (1924), M.A. (1926), Ph.D. (1928) Harvard University; M.A. (hon. 1938) Amherst College; LL.D. (1960) University of Vermont.

**F(red) Bruce Morgan**, *Professor of Religion*. B.S. (1939) Maryville College; Th.B. (1942), Th.D. (1958) Princeton Theological Seminary; M.A. (hon. 1963) Amherst College.

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**Donald Stevenson Pitkin**, *Professor of Anthropology*. B.A. (1947), M.A. (1950), Ph.D. (1954) Harvard University; M.A. (hon. 1966) Amherst College.

**Ellsworth Elliott Richardson**, *Professor of Physical Education*. B.A. (1927), M.A. (1932) Amherst College.

**Charles Ensign Rogers**, *Professor of Fine Arts and Dramatic Arts*. B.A. (1927) Albion College; M.A. (1931) Columbia University; M.A. (hon. 1961) Amherst College.

**Robert Horton Romer**, *Professor of Physics*. B.A. (1952) Amherst College; Ph.D. (1955) Princeton University.

**Edwin Charles Rozwenc**,\* *Dwight W. Morrow Professor of American History*. B.A. (1937) Amherst College; M.A. (1938), Ph.D. (1941) Columbia University.

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\*On leave 1968-69.

## AMHERST COLLEGE

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**Dudley Herbert Towne**, *Professor of Physics*. B.S. (1947) Yale University; M.A. (1949), Ph.D. (1953) Harvard University; M.A. (hon. 1964) Amherst College.

**Frank Anderson Trapp**, *Professor of Fine Arts*. B.A. (1943) Carnegie Institute of Technology; M.A. (1947) University of Pittsburgh; Ph.D. (1951) Harvard University; M.A. (hon. 1963) Amherst College.

**Frederick King Turgeon**, *Professor of French*. B.A. (1923) Bowdoin College; M.A. (1924), Ph.D. (1930) Harvard University; M.A. (hon. 1940) Amherst College.

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**Robert Byron Whitney**, *George H. Corey Professor of Chemistry*. B.A. (1924), Ph.D. (1927) University of Minnesota; M.A. (hon. 1944) Amherst College.

**Richard Eugene Wilson**, *Professor of Physical Education*. B.A. (1934), Midland College; B.P.E. (1937), M.Ed. (1938) Springfield College; M.A. (hon. 1960) Amherst College.

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**Benjamin Munn Ziegler**, *Bertrand Snell Professor of Political Science*. B.A. (1928) New York University; LL.B. (1931), M.A. (1933), Ph.D. (1935) Harvard University; M.A. (hon. 1952) Amherst College.

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## FACULTY

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**William Calvin Cannon**, *Associate Professor of Spanish*. B.A. (1952) Baylor University; M.A. (1953), Ph.D. (1958) Tulane University.

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\*On leave 1968-69.

AMHERST COLLEGE

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\*On leave 1968-69.

## FACULTY

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### RESEARCH ASSOCIATES

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Jane VanZandt Brower, PH.D., *Biology*

Virginia Dewey, PH.D., *Biology*

### ASSISTANTS

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Stanley A. Lawton, *Physics*

Andrew B. Walsh, *Physics*

## FACULTY COMMITTEES

**Committee of Six.** President Plimpton (Chairman, ex officio), Dean Gifford (Secretary, ex officio), Professors Kateb, Koester, Marx, Pitkin, Towne, and Whitney.

**Committee on Educational Policy.** Professors Cannon, Cheyette, Dempsey, Hawkins and Heath.

**Fellowship Committee.** President Plimpton (Chairman), Dean Gifford (Secretary), Dean Routh, Professors Craig, Hexter, Köhler, B. Morgan, and Ziegler.

**Committee on Admission and Scholarships.** President Plimpton (Chairman), Dean Wilson (Secretary), Dean Gifford, Dean Routh, Dean Wall, Professors Dempsey, J. Moore, Sargent, and Townsend.

**Committee on Independent Study.** Dean Gifford, Professors Arkes, Epstein, and White (Chairman).

**Committee on Intercollegiate Athletics.** President Plimpton (Chairman), Dean Gifford (Secretary), Professors Breusch, Clark, Dunbar, McCabe, Richardson, and Ziegler.

**Committee on Interdisciplinary and Special Studies.** Dean Gifford, Professors Craig, Mead and Romer.

**Lecture Committee.** Professors Pitkin and Westfall (Co-Chairmen), and Duffy.

**Library Committee.** Professor McKeon (ex officio), Mr. Laughner (ex officio), Professors Aitken, Chickering (Secretary), Czap, Hawkins Ratté (Chairman), and Starr.

## AMHERST COLLEGE

**Lucius Eastman Committee.** Professors Cody (Chairman), and Schneider; Mr. Taubman.

**Committee to Study Data Processing.** Professors Beals (Chairman), Denton, Duffy, R. Grose and Offenhartz.

**Space Committee.** Dean Gifford (Chairman), Professors Carre, Chalmers, Mr. M. Grose (Secretary), Professor R. Grose, Mr. Heidrich, Mr. Hertzfeld, Professors Townsend and Trapp.

# Fellows

**Lawrence Werner Abrams, '68.** *Roswell Dwight Hitchcock Memorial Fellow in Economics.* University of Michigan.

**Allan Praigrod Albert, '68.** *Edward Poole Lay Fellow in Dramatic Literature, Criticism and Directing and the Roland Wood Fellow in Dramatic Arts (in preparation for teaching).* Yale School of Drama.

**John David Aung-Thwin, '68.** *Amherst Memorial Fellow in International Relations.* McGill University.

**Bruce Hatton Boyer, '68.** *Edward Poole Lay Fellow in Drama and Literature.* University of California at Los Angeles.

**John Turnbull Broad, '68.** *Forris Jewett Moore Fellow in Chemistry (in preparation for teaching).* Harvard University.

**Theodore Warren Budlong, '68.** *Sterling P. Lamprecht Fellow in Philosophy and the Forris Jewett Moore Fellow in Philosophy (in preparation for teaching).* Cornell University.

**Ernest David Chu, '68.** *Forris Jewett Moore Fellow in East Asian History (in preparation for teaching).* East Asian Institute, Columbia University.

**Donald Miles Cooper, '68.** *Amherst Memorial Fellow in English (in preparation for teaching).* University of Virginia.

**William Warren Daniel, Jr., '65.** *George Stebbins Moses Memorial Fellow in Theology and Amherst Memorial Fellow in Theology.* The Episcopal Theological School of Cambridge, Massachusetts.

**David Sterling Davenport, '68.** *John Woodruff Simpson Fellow in Law.* Yale University.

**Charles Marshall Delbaum, '68.** *John Woodruff Simpson Fellow in Law.* Harvard University.

**Peter Arnott Dubois, '68.** *John Woodruff Simpson Fellow in Law.* Harvard University.

**Douglas Allan Dunlap, '66.** *Amherst Memorial Fellow in Guidance and Counseling.* Harvard University.

**Kenneth David Frank, '68.** *John Woodruff Simpson Fellow in Medicine.* Harvard Medical School.

**Carl Anthony Galloway, '68.** *John Woodruff Simpson Fellow in Medicine.* Rochester University Medical School.

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**Rafael Sergio Grasso**, '68. *Amherst Memorial Fellow in French Literature*. University of California (Berkeley).

**John Bishop Hillman**, '66. *Amherst Memorial Fellow in Theology*. University of Chicago Divinity School.

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**Adrian Fitzroy Johnson**, '68. *John Woodruff Simpson Fellow in Law*. Columbia University.

**Glenn Roger Johnson**, '67. *Amherst Memorial Fellow in Theology*. Harvard Divinity School.

**Jidolph Kamoche**, '67. *Henry P. Field Fellow in History (and Education)*. University of Massachusetts.

**Zachary Roger Karol**, '68. *John Woodruff Simpson Fellow in Law*. Harvard University.

**Jaffer Kassamali**, '68. *Amherst Memorial Fellow in Political Science*. Columbia University.

**Arthur Wayne Koenig**, '66. *Amherst Memorial Fellow in International Relations*. Columbia University.

**Paul Francis Lengieza**, '68. *Edward Hitchcock Fellow in Physical Education*. University of Massachusetts.

**Philip Earle Metcalfe**, '68. *Amherst Memorial Fellow in English and Writing* (in preparation for teaching). University of Washington.

**Cleanthis Nicolaides**, '68. *Forris Jewett Moore Fellow in Chemistry* (in preparation for teaching). Yale University.

**Thomas Henry Ogden**, '68. *John Woodruff Simpson Fellow in Medicine*. Yale School of Medicine.

**Marcus Lindley Parsons III**, '68. *Edward Poole Lay Fellow in Theater*. New York University.

**Claude Andrew Pickens**, '68. *John Woodruff Simpson Fellow in Law*. Harvard University.

**Jerald Van Reneau**, '67. *Rufus B. Kellogg University Fellow in English*. Christ's College, Cambridge, England.

**Robert David Riskind**, '68. *John Woodruff Simpson Fellow in Law*. Harvard University.

## FELLOWS

**Kermit Campbell Smyth, '68.** *Forris Jewett Moore Fellow in Physical Chemistry (in preparation for teaching and research).* Stanford University.

**John Reed Stifler, '68.** *Amherst Memorial Fellow in English and Education.* Harvard University.

**Robert Walter Stratton, '68.** *Amherst Memorial Fellow in Theology.* The General Theological Seminary of the Protestant Episcopal Church.

**Jorge Luis Tapia, Jr., '68.** *John Woodruff Simpson Fellow in Dentistry.* Baltimore Dental School of the University of Maryland.

**Jacob Lazarus Temchin, '68.** *Edward Poole Lay Fellow in Dramatic Arts.* Columbia University.

**Harold Wade, '68.** *Charles B. Rugg Fellow in Law and John Woodruff Simpson Fellow in Law.* Harvard University.

**Daniel Harry Warner, '68.** *Forris Jewett Moore Fellow in History of Political Thought.* London School of Economics.



# Officers of Administration

**Calvin Hastings Plimpton**, *President of the College*. B.A. (1939) Amherst College; M.D. (1943), M.A. (1947) Harvard University; Med. Sc.D. (1951) Columbia University; LL.D. (1960) Williams College; LL.D. (1961) Wesleyan University; Sc.D. (1962) Rockford College; LL.D. (1962) Doshisha University; L.H.D. (1962) University of Massachusetts; Sc.D. (1963) Saint Mary's College; LL.D. (1963) St. Lawrence University; Litt.D. (1965) American International College; Sc.D. (1966) Trinity College; Sc.D. (1967) Grinnell College.

**Prosser Gifford**, *Dean of the Faculty*. B.A. (1951) Yale University; B.A. (1953) Merton College, Oxford University; LL.B. (1956) Harvard Law School; Ph.D. (1964) Yale University.

**Eugene Smith Wilson**, *Dean of Admission*. B.A. (1929) Amherst College.

**Robert Appleby Ward**, *Dean of Students*. B.A. (1957) Amherst College; Ed.M. (1966) Harvard University.

**Edward Baker Wall**, *Associate Dean of Admission*. B.A. (1956) Yale University.

**Nathaniel Reed**, *Assistant Dean*. B.A. (1955), Ph.D. (1964) Yale University.

**Donald McMillan Routh**, *Assistant Dean*. B.A. (1958) Amherst College; M.A.T. (1960) Johns Hopkins University.

**Henry Miller Littlefield**, *Assistant Dean*. B.A. (1954), M.A. (1959), Ph.D. (1967), Columbia University.

**Frank John Greve**, *Assistant to the Dean of Admission on the Mayo-Smith Teaching Grant*. B.A. (1967) Amherst College.

**Robert Freeman Grose**, *Registrar*. B.A. (1944), M.S. (1947), Ph.D. (1953) Yale University.

**Kurt Maximilian Hertzfeld**, *Treasurer*. B.A. (1941), M.B.A. (1942) Harvard University.

**Minot Grose**, *Business Manager and Assistant Treasurer*. B.A. (1936) Amherst College.

**George Burnham May**, *Comptroller*. B.A. (1946) Amherst College.

**George Balfour Dunnington, Jr.**, *Manager of the Computer Center and Assistant Comptroller*. B.S. (1960) Babson Institute of Business Administration.

**DeWitt Clinton Howell**, *Assistant to the Comptroller*. B.S. (1965) Babson Institute of Business Administration.



## ADMINISTRATION

**John Lewis Callahan, Jr.**, *Director of Development*. B.A. (1955) Dartmouth College.

**James Alfred Guest**, *Secretary of the Alumni Council*. B.A. (1933) Amherst College; LL.B. (1936) Yale University.

**G(eorge) Parke Rouse, III**, *Assistant to the Secretary of the Alumni Council*. B.A. (1967) Amherst College.

**Horace Wilson Hewlett**, *Secretary of the College and Director of Publications*. B.A. (1936) Amherst College; M.A. (1941) Yale University.

**H(omer) Evan Snyder**, *Assistant Secretary of the College*. B.A. (1958) Amherst College.

**Arthur Davenport**, *Fraternity Business Manager and Director of Faculty Housing*. B.A. (1932) Amherst College.

**Daniel Corrigan**, *Minister to the College*. B.D. (1926), S.T.M. (1943), D.D. (hon. 1955) Nashotah Theological Seminary.

**Otis Cary**, *Director of Amherst House, Doshisha University*. B.A. (1946) Amherst College; M.A. (1951) Yale University.

**Robert Herman Heidrich**, *College Engineer and Superintendent of Buildings and Grounds*. A.E.E. (1927) Newark College of Engineering; P.E. (1945) New York University; M.A. (hon. 1962) Amherst College.

**Walter Charles Markert**, *Assistant Superintendent of Buildings & Grounds*. B.S. (1931) Springfield College.

**Gordon Benjamin Bridges**, *Director of Dining Halls and Director of Personnel*. M.A. (hon. 1954) Amherst College.

**Ellsworth Elliott Richardson**, *Director of Intercollegiate Athletics*. B.A. (1927), M.A. (1932) Amherst College.

**Haskell Robert Coplin**, *Student Counselor*. B.A. (1947), M.A. (1948), Ph.D. (1951) University of Michigan.

**Stephen Brown**, *College Physician*. B.A. (1928) Amherst College; M.D. (1932) Yale University.

**Oscar Donald Chrisman**,\* *Associate College Physician*. B.A. (1938), M.D. (1942) Harvard University.

**Edward William Hughes, Jr.**, *Associate College Physician*. B.S. (1955) University of Massachusetts; M.D. (1959) Tufts University Medical School.

**Thomas Clifford Wilson**, *Associate College Physician*. A.B. (1950) West Virginia University; M.D. (1960) Medical College of Virginia.

\*On leave 1968-69.

AMHERST COLLEGE  
MEAD ART BUILDING

Charles Hill Morgan, PH.D., *Director*  
Charles Ensign Rogers, M.A., *Assistant Director*  
Margaret Cecilia Toole, B.A., *Curator*

ADVISORY COMMITTEE ON ACQUISITIONS

Louisa Dresser, B.A.  
*Curator, Worcester Art Museum, Worcester, Massachusetts*

Charles Hill Morgan, PH.D., L.H.D.  
*Professor of Fine Arts on the William R. Mead Foundation,  
Amherst, Massachusetts*

Daniel Catton Rich, PH.D.  
*Director, Worcester Art Museum, Worcester, Massachusetts*

Charles Henry Sawyer, M.A., L.H.D.  
*Professor of Fine Arts, University of Michigan,  
Ann Arbor, Michigan*

Calvin Hastings Plimpton, M.D., LL.D.  
*President of the College, ex officio, Amherst, Massachusetts*

Roy R. Neuberger  
*President, American Federation of Arts, New York, New York*

Philip Hofer  
*Curator, Dept. of Printing and Graphic Arts, Harvard University,  
Cambridge, Massachusetts*

A. M. Adler  
*Director, Hirschl and Adler Galleries, New York, New York*

THE ROBERT FROST LIBRARY

Newton Felch McKeon, B.A., *Director*  
Charles Theodore Laughner, PH.D., *Associate Director*  
Ruth Marie Erit, B.A., *Order Librarian*  
Floyd Samuel Merritt, M.A., S.M., *Reference Librarian*  
J. Richard Phillips, B.A., *Special Collections Librarian*  
Cynthia Furneaux Tucker, B.S., *Chief Cataloguer*  
Gertrude Burgess Weir, B.A., S.M., *Head of Circulation*  
Carol Porter Baldwin, *Assistant Cataloguer*  
Hertha Banfield, *Serials Librarian*

## ADMINISTRATION

Nancy Hathaway Buck, B.A., M.S. in L.S., *Science Librarian*  
Eleanor Freisem, B.A., *Assistant Reference Librarian*  
Mary Elizabeth Poole, B.A., M.L.S., *Assistant Cataloguer*  
Elinor Richards, B.A., A.M.L.S., *Assistant Cataloguer*

## KIRBY MEMORIAL THEATER

Walter Leroy Boughton, M.F.A., *Director*  
Charles Ensign Rogers, M.A., *Designer*  
Ralph Cleland McGoun, Jr., M.A., *Technical Director*

## THE PRATT MUSEUM OF GEOLOGY

Richard Martin Foose, PH.D., *Curator*  
Albert Elmer Wood, PH.D., *Associate Curator*  
Gerald Patrick Brophy, PH.D., *Associate Curator*

## COMPUTER CENTER

George B. Dunnington, B.S., *Manager*  
Clela B. Reeves, B.A., M.A., *Programmer/Analyst*

## AMHERST COLLEGE WILDLIFE SANCTUARY

Walter Charles Markert, B.S., *Director*

## MABEL LOOMIS TODD FOREST

Lincoln Pierson Brower, PH.D., *Curator*

## RELIGIOUS ADVISORS

The Rt. Rev. Daniel Corrigan, B.D., S.T.M., D.D.  
*Minister to the College*

The Rev. James Clark, B.D.  
*Advisor to Protestant Students*

The Rev. Richmond K. Greene, B.D.  
*Advisor to Protestant Students*

The Rt. Rev. Monsig. David J. Power  
*Advisor to Roman Catholic Students*

## AMHERST COLLEGE

The Rev. J. Joseph Quigley  
*Advisor to Roman Catholic Students*

Rabbi Yechiael Lander  
*Advisor to Jewish Students*

## STUDENT HEALTH SERVICE

Mary Margaret Barkowski, R.N.  
*Supervisor of Student Health Office*

Marjorie Ruth Crossman, R.N.  
*Assistant Supervisor of Student Health Office*

Helen Bolt Stimson, R.N.  
*Supervisor of the Infirmary*

## ADVISOR ON CHARITABLE FUND AWARDS

Frank Learoyd Boyden, SC.D., PD.D., LITT.D., L.H.D., LL.D.

## FIVE-COLLEGES INCORPORATED

North Burn, PH.D., *Five-College Co-ordinator*

Professor Robert B. Whitney, *Amherst College Deputy*

# II

AMHERST COLLEGE

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# Amherst College

AMHERST was founded in 1821 as an independent liberal arts college for "the education of indigent young men of piety and talents for the Christian ministry." It has never been connected, however, with any church or sect. Its charter, granted by the Commonwealth of Massachusetts in 1825, bans tests of religion in choosing students and teachers.

Among Amherst's founders were Noah Webster, the lexicographer, and Samuel Fowler Dickinson, grandfather of the poet Emily. The College received its initial support from many residents of the town from which it takes its name. (The town, which was incorporated in 1759, was named for General Jeffery Amherst, then Commander-in-chief of British forces in the New World and protector of the colonies in the French and Indian War.) The College has enjoyed a long and close association with the community, particularly with such poets and writers as Emily Dickinson, Helen Hunt Jackson, David Grayson (Ray Stannard Baker), and Robert Frost.

The campus is situated on a hill adjacent to the central town common. The surrounding area is characterized by apple orchards and tobacco farms lying on the flat, fertile land of the Connecticut River Valley and by ranges of hills to the south and east. Nearby are towns and places whose names recall another age in the life of New England: Deerfield and Bloody Brook, Pelham and Daniel Shays Highway, Northampton and Jonathan Edwards' Church. A few miles away are three other institutions of higher learning: Smith and Mount Holyoke Colleges and the University of Massachusetts with which Amherst engages in a number of cooperative educational ventures. (These are described on page 54.) A fifth institution, Hampshire College, equidistant from the existing four from which it will receive advice and assistance, is being planned and is expected to open in 1970.

The College offers the bachelor of arts—and occasionally the master of arts—degree. It is concerned with study in the humanities, the social sciences, and the natural sciences and attempts to combine a broad education with knowledge of some field in depth. A new curriculum, adopted in the fall of 1966, introduces three one-semester interdepartmental courses (called Problems of Inquiry), and provides considerable flexibility in the selection of each student's program. Freshmen may select a major field of study on entrance; exceptionally qualified students may satisfy graduation requirements in three years; some may engage in independent study free of formal courses in their junior and senior years; honors work—the intensive consideration of a limited subject—is encouraged.

Whatever the form of academic experience—lecture course, seminar, conference, studio, laboratory, independent study at various levels—intellectual competence and awareness of problems and methods are the goal of the Amherst program, rather than the direct preparation for some pro-

## AMHERST COLLEGE

fession. The new curriculum enables students to arrange programs for their own educational needs within established requirements. To assist undergraduates in their course selections a faculty Board of Advisors, representing all academic departments, has been created. Members of this Board provide such counsel as is requested, but the ultimate responsibility for a thoughtful program of study rests with the individual student.

All students subscribe to an honor code which makes them responsible for the intellectual integrity of their work. This is described on page 57.

A statement of graduation requirements and programs of study begins on page 50. A more detailed description of the curriculum may be obtained from the Office of Admission.

The College's faculty is engaged in two primary activities: first, the education of undergraduates, and, second, research and writing. Its 157 members hold degrees from colleges and universities throughout this country and abroad. Classes range in size from a lecture course of 150 to several courses of only two students; about 80 percent of the classes and sections have twenty-five students or less.

Amherst is equipped with considerable physical resources: a library of some 393,000 volumes, science laboratories, theater, gymnasium, swimming pool, skating rink, squash and tennis courts, playing fields, a museum of fine arts and another of natural sciences, a central dining hall where all students eat, dormitories, language laboratory, and classroom buildings. There are a wildlife sanctuary and a forest for the study of ecology, an observatory and planetarium, a computer center, and varied equipment for specialized scientific research. At Amherst, and at its neighboring institutions, there are extensive offerings of lectures, concerts, plays, films, and many other events. The College's endowment is approximately \$75 million.

In the last few years Amherst has increased its enrollment from 1,000 to approximately 1,200 students. To accommodate these additional undergraduates and to provide improved facilities the College has recently completed a new dining hall, five new dormitories, and the Robert Frost Library. New buildings for science and music are under construction and an auditorium and expanded athletic facilities are being planned.

Amherst has a full program of intercollegiate athletics in most sports. Every freshman and sophomore is required to take part in a program of physical education to improve his fitness and allow him to participate in team and recreational sports. In addition, about 90 percent of the students participate in an organized program of intramural athletics.

Undergraduates may also take part in a variety of other extra-curricular activities: journalism, publishing, broadcasting, music, dramatics, and a wide assortment of specialized interests. Religious groups, working independently or through the Minister to the College and religious advisors, maintain a program of worship services, Bible study, community service projects, and other activities.

## AMHERST COLLEGE

Most Amherst students join one of the thirteen social fraternities at the end of their freshman year. These organizations provide housing for many of their members and are the focus of social life after the first year. Freshmen live in four central dormitories and arrange their own social activities. Since 1946 the fraternities have selected their members without consideration of race or religion, and since 1951 every student who has wanted to join a fraternity has had the opportunity to do so.

As the campus has grown so has the College's involvement with the world. In 1821 most students came to Amherst from nearby towns intending to become ministers or missionaries. Facilities were simple; for three years South College was Amherst's only building, housing dormitory, library, and classrooms. Today students come from most of the fifty states and many foreign countries and bring with them backgrounds and interests far different from those of the "indigent young men of piety and talents" who preceded them nearly a century and a half ago.

Instruction still adheres to the liberal arts and sciences, but world forces are now felt in the classroom and out. Modern transportation and communication have changed what was once a sleepy little New England village into a growing center of activity and concern. Involvement in research or in social and economic issues takes some students to many parts of the country and abroad—as it does most of their teachers as well. Civil rights issues and national policies have an impact on the campus that would have been unimaginable even a generation ago. Graduates for the most part continue their formal education to become teachers, physicians, lawyers, and businessmen. At Amherst, hopefully, they will have only begun their education at "commencement," but will have developed attitudes and values that will encourage them to participate thoughtfully and generously in the service of mankind.

## FIVE COLLEGE COOPERATION

Amherst has an arrangement with Mount Holyoke College, Smith College, Hampshire College and the University of Massachusetts by which any of their regular courses is, under special circumstances, open to Amherst students. See page 54 for further information.

The oldest cooperative venture is the Hampshire Inter-Library Center (HILC) located now in the Goodell Library at the University. HILC, a separate legal entity, is a depository for research materials and learned journals which are beyond the reach of any of the four libraries operating independently. An FM radio station (WFCR, 88.5 mc.) is run cooperatively through the Western Massachusetts Broadcasting Council composed of representatives of the four institutions. Other cooperative activities include a joint Astronomy Department; courses in the History of Science and in Asian-African studies; a Ph.D. program; a Film Center; a common calendar of

## AMHERST COLLEGE

events; a committee on transportation; an Office for Teaching Assistance; and a Coordinator for cooperative projects.

NORTH BURN, PH.D., *Coordinator*

## PRESIDENTS OF AMHERST COLLEGE

|           |   |
|-----------|---|
| 1821-1823 | Rev. Zephaniah Swift Moore, D.D.                                      |
| 1823-1845 | Rev. Heman Humphrey, D.D.   |
| 1845-1854 | Rev. Edward Hitchcock, D.D., LL.D.                                    |
| 1854-1876 | Rev. William Augustus Stearns, D.D., LL.D.                            |
| 1876-1890 | Rev. Julius Hawley Seelye, D.D., LL.D.                                |
| 1890-1899 | Merrill Edwards Gates, PH.D., LL.D., L.H.D.                           |
| 1899-1912 | Rev. George Harris, D.D., LL.D.                                       |
| 1912-1924 | Alexander Meiklejohn, PH.D., LL.D.                                    |
| 1924-1927 | George Daniel Olds, LL.D.   |
| 1927-1932 | Arthur Stanley Pease, PH.D., LL.D.                                    |
| 1932-1946 | Stanley King, LL.D.   |
| 1946-1960 | Charles Woolsey Cole, PH.D., L.H.D., SC.D., LITT.D., LL.D.            |
| 1960-     | Calvin Hastings Plimpton, M.D., SC.D., D.M.S., L.H.D., LITT.D., LL.D. |

## The Folger Shakespeare Library

BY THE will of the late Henry Clay Folger of the Class of 1879, there was bequeathed to the Trustees of Amherst College the Folger Shakespeare Library in Washington, D.C., together with an endowment for maintenance, later increased by the generosity of Mrs. Folger.

The building, located on East Capitol Street directly east of the Library of Congress, was erected at a cost of more than \$2,000,000. Its endowment now stands at about \$28,000,000, and its collections are valued at about \$3,200,000. On the Library's main floor are: an Exhibition Gallery with displays of rare books, manuscripts, paintings, and miscellaneous curios and works of art; an Auditorium in the form of a reproduction of the interior of an Elizabethan playhouse; a large Reading Room, representing a Tudor Banqueting Hall and hung with early tapestries; four Vaults, containing the rarest portions of the collections; a Reception Room for social purposes; and Administration Offices. On the second floor are the working rooms of the Library's Accessions Department, the Catalogue Department, and offices for members of the staff. A Photographic Department is in the basement. Reading machines for microfilm are found in the stacks.

The Library concentrated its original collection largely upon the life, writings, and influence of William Shakespeare, but during the past two decades



## AMHERST COLLEGE

it has increased its rare books and manuscripts in related fields until today it has one of the largest collections in the world for the study of British history of the sixteenth and seventeenth centuries. Only the British Museum has a larger collection of early English books.

Under the plan of the Trustees of the College, in addition to maintaining its traditional interest in Shakespeare and English Renaissance literature, the Library is exploiting other fields as well. Efforts are made to expand it as an efficient laboratory of research and investigation. Aid and encouragement are given literary and historical scholars capable of making the most significant use of the Library's great collection of source materials. The Library has also developed reference collections which scholars require for the efficient utilization of rare books and manuscripts.

Research facilities of the Library are not open to casual visitors, but permission to use them may be obtained by qualified scholars upon application to the Director. Interested individuals and groups are cordially invited to visit the Folger's Exhibition Gallery.

### FOLGER LIBRARY OFFICERS

Louis Booker Wright, PH.D., LITT.D., L.H.D., LL.D., *Director Emeritus*

Philip A. Knachel, M.S.L.S., PH.D., *Acting Director*

Giles Edwin Dawson, PH.D., *Curator of Books and Manuscripts, Emeritus*

James G. McManaway, PH.D., LITT.D., *Consultant in Literature and Bibliography, Emeritus*

Dorothy E. Mason, B.A., M.A., *Reference Librarian*

Lilly C. Stone, B.A., *Chief Cataloguer*

Elaine Fowler, B.A., *Reading Room Supervisor*

## Doshisha University

DOSHISHA UNIVERSITY in Kyoto, Japan, was founded by Joseph Hardy Neesima, of the Class of 1870, the first Japanese to graduate from a Western institution of higher learning. Amherst has maintained a continuing and close relationship with Doshisha. More than twenty-five Amherst graduates have taught there, and, since 1922, Amherst has maintained a resident instructor at the Japanese university. Amherst House, a New England Georgian style residence, was built on the Doshisha campus in 1932 as a memorial to Neesima. It houses some twenty Doshisha students and serves as a center for cultural exchange between students and faculty from East and West.

Since World War II, Amherst has maintained a member of its own faculty for permanent service at Doshisha as a Professor in Residence and Director

## AMHERST COLLEGE

of Amherst House. Recently he has been aided by an Amherst-Doshisha Fellow on a yearly assignment. In 1962 the College, through the further generosity of friends and alumni, was enabled to build a new guest house of modern Japanese design which affords quarters for the director, well-appointed guest suites, and dining facilities to enhance the possibilities of exchange across cultural barriers. As the importance of Eastern ideas and Asian cultures gains increasing recognition, Amherst House is able to provide unique facilities and a sympathetic environment for scholars visiting Kyoto—for a thousand years the capital of Japan and still the center of traditional Japanese culture.



# Admission

ADMISSION to Amherst College is competitive. The College attempts to select those applicants who seem qualified to benefit from the educational opportunities offered. The Committee on Admission, in judging the qualifications of applicants, pays particular attention to (1) academic achievements; (2) results of the College Entrance Examination Board scholastic aptitude and achievement tests; (3) the recommendation of the college counselor; (4) evidence of curiosity, industry, and resolution; (5) the character, health, and extra-curricular interests and achievements of the applicant. All freshmen admitted are candidates for the Bachelor of Arts degree.

## HOW AND WHEN TO APPLY FOR ADMISSION

Applications should be filed in senior year between September 1 and March 1. Under special circumstances later applications may be considered. Decisions of the Committee on Admission will be mailed to candidates about mid-April.

Students with exceptional ability and maturity who have outrun the educational opportunities of their communities may apply for admission after three years of secondary school.

Amherst has an Early Decision Program for students who have selected Amherst as the college of their choice. Details are available with the application form.

Beginning students may enter only in September.

Scholarship applicants should refer to pages 47-49.

The formal application should be accompanied by a check or money order for \$10.00 made payable to the *Trustees of Amherst College*. This application fee will not be refunded if the student withdraws his application or if his application is not acted upon favorably.

*Correspondence regarding admission to the freshman class should be addressed to the Dean of Admission, Amherst College, Amherst, Massachusetts.*

## INTERVIEW HOURS

The Admission Office is open weekdays from 8:30 A.M. until 12:00 noon and 1:30 P.M. until 4:00 P.M. and on Saturdays from 8:30 A.M. until 12:00 noon, but through the summer months and until Labor Day, the Admission Office (and all administrative offices) will be closed on Saturdays. Where possible, applicants for admission are advised to visit the College and discuss their educational plans with an admission officer. Interviews are not

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required, however. It is advisable to write for an appointment with an admission officer if you plan to visit the College.

### RECOMMENDED PREPARATION

The following minimum program of studies is recommended for students planning to enter Amherst College:

|                    |   |
|--------------------|---|
| English            | 4 years                                 |
| Mathematics        | 3 years                                 |
| Foreign Language   | 2 years (3 or 4 years of one preferred) |
| History            | 1 year                                  |
| Laboratory Science | 1 year                                  |

It should be noted that the College stresses sound preparation in certain subjects which are important implements for the many branches of college work. English, mathematics (intermediate mathematics, emphasizing basic algebraic, geometric, and trigonometric concepts and deductive reasoning), and foreign language (ancient or modern or both) are the subjects in which entering students should show proficiency.

For graduation Amherst College requires competence (oral and written) in a foreign language, ancient or modern. For definition of competence see page 52. The phrase "satisfactory score" means 600 in the College Entrance Examination Board achievement tests.

In selecting a class, some preference is given to candidates who present the following programs in foreign language in the following order:

*First preference:* four years of one language;

*Second preference:* three years of one language;

*Third preference:* two years each of two languages.

Candidates who apply from secondary schools which offer little or no language instruction will be judged by their other intellectual aptitudes and achievements and their readiness for the Amherst curriculum. Amherst College recommends, where possible, that a student continue to study the language he begins in secondary school through completion of the college requirement.

Students with particular interests may wish to modify the suggested program by taking more work in certain subjects and less in others. Such modification is wholly acceptable, provided there is evidence of adequate preparation in the basic fields of English, mathematics, and foreign language. Any deviation should be discussed in advance with the Dean of Admission.

### ADVANCED PLACEMENT

In certain subjects, candidates who have completed advanced work in secondary schools may apply for advanced placement at Amherst. Each case

## ADMISSION

will be considered individually on its own merits. Candidates interested in Advanced Placement are urged to take the Advanced Placement Tests given by the College Entrance Examination Board. Questions about Advanced Placement should be directed to the *Dean of Admission*. For further information candidates should consult the Advanced Placement booklet in their secondary school guidance office.

## COLLEGE BOARD TESTS

All applicants are required to take the Scholastic Aptitude tests and three Achievement tests, of which one shall be the English Achievement Test; these tests must be taken no later than the January series. Inasmuch as the registration deadline for the College Board tests is approximately one month prior to the test date, applicants should arrange to take these examinations as soon as possible with the Secretary of the College Entrance Examination Board, Box 592, Princeton, New Jersey 08540. Students living in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming, Alaska, or Hawaii should register with the Secretary of the College Entrance Examination Board, Box 1025, Berkeley, California 94701.

Amherst requires competency in a foreign language (ancient or modern) for graduation from college. The requirement may be met by entering students who have made a score of 600 on a Language Achievement Test plus, in modern languages, a similar score on the Listening Comprehension Test. This test is given only once a year in February, and your counselor must make special arrangements for it with the Educational Testing Service.

Applicants who are studying a foreign language in senior year and who have not achieved a 600 in the CEEB Achievement test should retake the test in January, March, or May, and the February Listening Comprehension Test in modern languages.

Applicants in military service whose location makes examinations impossible are exempt from CEEB tests.

**Regents Examinations.** Applicants from the New York State public schools are expected to submit scores made on the Regents Examination in addition to the scholastic aptitude and achievement tests given by the College Entrance Examination Board.

## ADMISSION AS A TRANSFER

To be eligible for consideration as a transfer a candidate must meet the following requirements:

1. His credits must satisfy the full entrance requirements of Amherst College.
2. He must have completed creditably the work of at least one year in

## AMHERST COLLEGE

an institution of collegiate rank or two years in a junior or community college.

3. He must present a statement of honorable dismissal.

4. He must file a formal application for admission by transfer.

Candidates for admission by transfer are usually admitted in September.

Candidates should note that, in general, only students with a B average or better will be considered for admission as transfers.

Special consideration is given applicants from junior or community colleges who have made distinguished academic records.

Some financial aid is available for transfer students.

*Correspondence concerning admission of transfers should be addressed to the Dean of Admission.*

## COOPERATIVE ENGINEERING-SCIENCE PROGRAM

In order to facilitate the combination of a liberal arts course with education in science and engineering, Amherst College will permit a student of high standing to pursue a five-year program in which the first three years will be spent at Amherst College and the last two years at the Massachusetts Institute of Technology, or any other engineering school approved by the Dean of the College, with the understanding that if the five-year program is satisfactorily completed the student will receive the degree of Bachelor of Arts from Amherst College and the degree of Bachelor of Science from the engineering school.

# Regulations

## TERMS AND VACATIONS

The college year 1967-68 includes two regular semesters with fourteen weeks of classes each semester. In the fall semester there are a Thanksgiving recess of approximately five days and a Christmas vacation of two weeks; in the spring semester there is a vacation of two weeks.

All official college vacations and holidays are announced on the College Calendar appearing on page v. of this catalog.

## ATTENDANCE AT COLLEGE EXERCISES

It is assumed that students will make the most of the educational opportunities available by regularly attending classes and laboratory periods. At the beginning of the semester, each instructor is free to state his policy with regard to absences in his course. Thereafter, he may take such action as he deems appropriate, or report to the Dean of Students the name of any student who disregards the regulations announced.

The Registrar will send to faculty members a list of students who have been absent for athletic trips or other extra-curricular activities, and a list of students who have been in the Infirmary. Students are asked to notify the Office of the Dean of Students if they have been delayed at home by illness or family emergencies. They are also requested to report any unusual or unexplained absence from the College on the part of any fellow student.

If a student has been attended at home by a physician other than one of the Student Health Office staff, he should, on the day of his return, report the absence to the Office of the Dean of Students and submit a statement concerning his illness and any recommended treatment to the Student Health Office. Students who are ill at College will normally be attended at the Infirmary or the Student Health Office. It is assumed that all students not admitted to the Infirmary or excused by the attending physician are well enough to attend their regular classes.

The responsibility for any work missed due to an illness or other absence rests entirely upon the student.

A minimum of three hours a week of physical exercise is required of all freshmen and sophomores throughout the college year. More than six absences during a given semester will lead to a deficiency in meeting the requirement for that semester. Such a deficiency must be made up at the earliest possible time and no later than the end of the first semester of the junior year. A fee of \$30.00 is charged for an extra semester.



## AMHERST COLLEGE

### STUDENT CONDUCT

It is the belief of Amherst College that its students want to take responsibility for setting, maintaining, and supporting moral and intellectual standards. With this in mind, the College has adopted an honor code. In a social and moral sense this honor code means the support of those standards which befit the conduct of a gentleman and which will reflect credit on the College, its students, and its guests.

The College reserves the right to exclude at any time students whose conduct or academic standing it regards as unsatisfactory; in such cases fees will not be refunded or remitted, in whole or in part, and neither the College nor any of its officers shall be under any liability whatsoever for such exclusion.

### RECORDS AND REPORTS

Grades in courses are reported in three categories:

Honor Grades = A+, A, A—, B+, B, B—

Passing Grades = C, D.

Failing Grade = F

Term averages and cumulative averages are reported on a 14-point scale rounded to the nearer whole number. The conversion equivalents are: A+ = 14, A = 13, A— = 12; B+ = 11, B = 10, B— = 9; C = 7, D = 4; F = 1.

Grade reports for D and F grades only will be sent to students after the end of the seventh week of classes each semester. Parents of freshmen will also receive grade reports for D and F grades after the first seven weeks of each semester. Reports for all grades and averages will be sent at the end of each semester.

"Rank in class" will not be used, but transcripts and grade reports will be accompanied by a profile showing the distribution of cumulative averages for students of the same class level in the current and in the previous two years.

Student academic records are maintained by the Registrar's Office and are confidential; information is released only at the request of the student or of appropriate institutions. Students are advised that their records are made available to their secondary schools and to certain legitimate research agencies such as the National Registration Office. Partial transcripts are not issued; each transcript must include the student's complete record at Amherst College to date. An official transcript carries an authorized signature as well as the embossed seal of Amherst College.

Transcripts of credit earned at other institutions, which have been presented to Amherst College for admission or transfer of credit, become a part of the student's permanent record and are not issued, reissued or copied for



## REGULATIONS

distribution. Grades for courses that were transferred from other institutions are not recorded; credit only is listed on the Amherst transcript. Transcripts for all academic work at other institutions of higher education should be requested directly from those institutions, including summer schools.

## EXAMINATIONS

Examinations are held at the end of each semester and at intervals in the year in all courses. At the end of each semester, final grades are reported and the record for the semester is closed. No extension of time is allowed for intra-term examinations and incomplete laboratory work beyond the date of the last scheduled class period of the semester, unless exception is granted by the Dean of Students. No extension for essays, themes, theses, and reports will be given beyond the last day of classes of the semester.

A student who is prevented by illness from attending a semester examination may be granted the privilege of a special examination by the Dean of Students, who will arrange the date of the examination with the instructor. There are no second or make-up semester examinations, unless a student is prevented by illness from taking such an examination at the scheduled time.

No semester examination may be taken before the scheduled time. A semester examination may be postponed only by approval of the Dean of Students.

## DELINQUENCIES

At the midpoint and end of each semester, the cases of all students whose work is unsatisfactory are brought before the Deans for consideration. Those who have clearly shown their unfitness for college work are dismissed from the College. Others whose records are unsatisfactory are placed on scholastic probation.

Students belonging to one or more of the following groups may not expect to continue at Amherst College:

- a. Those who in any semester are failing in two or more courses. Withdrawal from a course while failing it shall count as a failure.
- b. Those who in any semester fail a course and receive an average of less than 7 in courses passed.
- c. Those who in any semester pass all courses but receive an average of less than 6.
- d. Those who have been in Amherst three or more semesters and have an average of less than 6 in all courses taken at the College.
- e. Those who have accumulated delinquencies in three or more courses during their college careers.
- f. Those who have been on probation and have failed to meet the conditions of their probation.

## AMHERST COLLEGE

A student will be classified no higher than a sophomore until he has fulfilled the foreign language requirement.

A student who has failed a semester course in Physical Education must make up this delinquency at the earliest possible opportunity. No student will be permitted to take two courses in Physical Education in a single semester.

The College requires that each student be able to swim one hundred yards before graduation. Students who have not satisfied this requirement by the end of the second semester of the sophomore year will be reported as deficient in the second semester course in Physical Education until this test is passed.

No student may take courses in a summer school to make up a delinquency incurred at Amherst College unless his summer school courses are approved in advance by the Dean of Students. Similarly, Amherst College credit will not be given for courses taken in summer school unless approval is secured in advance from the Dean of Students.

The College does not grant credit for summer school courses completed with a grade below C.

## ROOMS AND BOARD

All students, unless specifically excused by the Dean, are required to live either in the dormitories of the College or in fraternity houses. Dormitory rooms are equipped with bed, mattress, pillow, chiffonier, desk, chairs, and bookcase or shelves. Occupants furnish their own blankets, linen, and towels, and may provide extra furnishings if they wish, such as rugs, curtains, lamps, etc.; they may not add beds, sofas, lounges, or other furniture of such nature except under certain circumstances. More complete regulations for dormitory occupancy are contained in the Student Handbook. Room assignments are noted on the invoice from the Comptroller's Office.

All students are required to eat in Valentine Hall unless excused by the Dean. There are no rebates for absence from meals.

*A complete description of the regulations of Amherst College on such matters as Dormitories, Motor Vehicles, Student Health, Eligibility Requirements, and other areas of student life are contained in the Student Handbook.*

# Tuition and Fees

A CANDIDATE'S formal application for admission should be accompanied by a \$10 application fee in check or money order payable to Amherst College. Upon notification of his admission to the College a candidate is required to return with his acceptance a non-refundable advance payment of \$100 which will be credited in full on his first term bill.

A bill for the comprehensive fee (tuition, room and board) in the amount of \$3,296.00 for the academic year 1968-69 is mailed to all students in August before college opens. The College bill is due and payable before the opening of classes. Any anticipated financial aid, such as scholarships, loans, the Insured Tuition Payment Plan payments, etc., should be deducted from the total of \$3,296.00; the net balance must be remitted to the College on or before September 10, 1968. However, one-half of this amount may be paid on September 10 and the balance on or before the opening day of the second semester, January 27, 1969.

Student identification cards will be issued by the Comptroller's Office upon payment of the College bill. These cards must be obtained before course cards may be picked up.

|  |         |
|--|---------|
| Comprehensive Fee (Tuition, Room, Board)   | \$3,200 |
| Student Activities Fee                     | 59      |
| Blue Cross-Blue Shield Student Health Plan | 37      |
|  | <hr/>   |
|  | \$3,296 |

The fee for the support of various activities of the student body is determined by the Student Council. This fee is collected by the College and turned over to the Director of Student Activities for expenditure under his supervision. For the year 1968-69, the fee has been set at \$59.00. For this fee each student receives a copy of the yearbook, *The Olio*; a one-year subscription to the student newspaper and magazine, *The Amherst Student* and *The Amherst Literary Magazine*; and contributes to the support of the Amherst Glee Club, the band, the Prom, the radio station, etc.; the fee also includes class dues for each class, and the support of other activities of the student body which fall under the jurisdiction of the Student Council.

The charge of \$37.00 appears on the comprehensive bill for twelve months Accident and Sickness Insurance for the period September 1, 1968 through August 31, 1969. Details concerning the Student Health Office, the College Infirmary and the Blue Cross-Blue Shield Student Health Plan appear in the Amherst College Student Handbook.

## *Additional Fees*

Each new student, or former student re-entering, is charged a \$25 Guar-

## AMHERST COLLEGE

tee Deposit, which is refundable after he graduates or otherwise leaves college, less any unpaid charges against his account.

Each senior or candidate for an M.A. degree is charged a degree fee of \$15 in his final semester.

Miscellaneous charges such as fees for late registration, change of courses, extra courses, library fines, lost or damaged property, etc., are payable currently when incurred.

For delinquencies in Physical Education, a charge of \$30 will be levied for each semester following sophomore year until the delinquency is removed.

### *Payment Plans*

For those who wish the convenience of monthly payments, arrangements have been made for a pre-payment plan, including insurance for continued payment in case of death or disability of the parent. For further details write to: The Insured Tuition Payment Plan, 38 Newbury Street, Boston, Massachusetts 02116.

*The officer having general supervision of the collection of tuition and fees is the Comptroller.*

# Financial Aid

**I**N a sense, every student at Amherst College is on scholarship. Beginning in September, 1968, the comprehensive charge for tuition, room, board, and fees will be \$3,200, yet the education of each student costs the College more than \$7,000 per year. General endowment income, gifts, and grants to the College supply the difference.

For those students who cannot afford the regular charge, financial aid is available from a variety of sources. Through the years alumni and friends of the College have contributed or bequeathed capital funds whose income is to be used for scholarship aid to worthy students. These funds now amount to more than \$4,500,000. Some, such as those designated for candidates for the ministry or those for students from certain geographical areas, are restricted in use. For the most part, however, the income from these funds may be used at the discretion of the College.

Each year the alumni of the College through the Alumni Fund contribute a substantial sum for scholarship and financial aid purposes. Several Amherst Alumni Associations also provide special regional scholarships to students from their areas; such awards are currently sponsored by the Connecticut, Michigan, Northern Ohio, St. Louis and Washington (D.C.) Associations. Without these alumni contributions, the College could not maintain its present financial aid program.

Additional financial aid is available to Amherst students from sources outside the College. A number of foundations and corporations grant funds which the College distributes on the basis of high merit and financial need. Notable special scholarships are granted by the Alfred P. Sloan Foundation, the General Motors Corporation, the Procter and Gamble Corporation, the Agnes M. Lindsay Trust, the Edwin Gould Foundation for Children, the Allied Chemical Corporation, and the Gilbert H. Grosvenor Memorial Fund. The College also participates in the National Defense Student Loan Program and the Educational Opportunities programs of the federal government.

Amherst College has a broad financial aid program in which scholarship grants, loans and student employment all play an important part. About one third of the students receive financial aid. Awards range from \$200 to \$3,300.

*The officer directly in charge of the administration of financial aid is Dean Routh.*

## FINANCIAL AID POLICY AND PROCEDURE

The College grants financial aid primarily on the basis of demonstrated financial need, but a student's character and academic performance and



## AMHERST COLLEGE

promise are important factors. A student's financial need is calculated by subtracting from his probable college year expenses the amount which he and his family may reasonably be expected to supply. His college year expenses include tuition, room, board, fees, transportation, a sum of \$500 for books and personal expenses, and fraternity fees for upperclassmen. The family contribution is computed in accordance with the standard procedures of the College Scholarship Service. The college assumes further that each student will assist in financing his education through summer employment and part-time jobs during the college year. Students who receive financial aid may not maintain personal motor vehicles in the Amherst and Hadley area without express permission from Dean Routh.

Financial aid awards are generally a combination of scholarship grant and educational loan. Under normal circumstances, after allowance has been made for the family contribution and the student contribution from savings and summer employment, the initial \$500 of the applicant's demonstrated need will be met with a combination of college-year employment and long-term, low-interest loan and he may expect to receive gift aid to cover the balance of his need. These loans require no payment of interest or principal before graduation from Amherst or graduate school, or until completion of military, Peace Corps or VISTA service, whichever is latest. Thereafter, the loans are repayable on a monthly or quarterly basis within a ten-year period at a moderate rate of simple interest. Part of a student's loan may be forgiven if he enters certain low-paying professions of service.

Renewal of scholarship grants is not contingent upon acceptance of the loan portion; many students prefer to earn more money during the summer or at college so that no loan is needed. Students who are unable to meet the summer-earning expectation by reason of unusual or educational summer-time opportunities or who find it difficult to undertake campus employment may petition for an increase in loan to cover the difference. The size of the loan portion is also influenced by the overall performance of the student. Recipients of national scholarships and outside foundation awards are often not subject to these loan provisions.

## APPLYING FOR FINANCIAL AID

Financial aid candidates should file applications for financial aid at the same time they file their applications for admission. Both applications must be received by the Admissions Office before March 1 to be considered. An application for financial aid requires the submission of two forms: a Parents' Confidential Statement filled out by the parents, and a Freshman Financial Aid Application filled out by the candidate for admission. Candidates may obtain copies of the Parents' Confidential Statement from their secondary school guidance counselors or from the College Scholarship Service, Box 176, Princeton, New Jersey 08540, Box 881, Evanston, Illinois 60204, or Box 1025, Berkeley, California 94701. Parents should send the completed form to



## FINANCIAL AID

the College Scholarship Service which will process it and forward the results to Amherst College for evaluation and final decision. Freshmen Financial Aid Applications may be obtained from the Office of the Dean of Admission by filling in the Preliminary Financial Aid Application Card which accompanies every application for admission. Applicants for financial aid need not take any special examinations other than those required for admission.

Undergraduates who desire renewal of their financial aid awards or who wish to apply for financial aid for the first time must file applications by April 20. Application entails submission of a Parents' Confidential Statement filled out by the parents and an Upperclass Financial Aid Application filled out by the student. Both forms may be obtained in Dean Routh's Office and both should be returned directly there. Upperclassmen will receive notification of their financial aid awards in July.

## TOWN SCHOLARSHIPS

The Trustees of the College have provided that entering students who, with their parents, have been residents of the Town of Amherst for three years prior to the time of admission may be granted free tuition. The grants are continued throughout the college course of these students, provided their college careers reflect satisfactory progress and their parents continue to live in Amherst. No more than twenty-four students may receive Town Tuition Scholarships at any one time.

## STUDENT LOAN FUND

Through the generosity of friends of the College, the Student Loan Fund has been established from which small short-term loans may be made to a few students who require funds to meet personal emergencies or other needs for which scholarship loans may not be obtained. In accordance with the conditions set by the donors, use of the Student Loan Fund is limited to students in good scholastic standing whose habits of expenditure are economical. The rate of interest is slightly higher and the repayment period shorter than for scholarship loans, but complete scholarship application procedure is not required. The Business Manager of the College administers the Student Loan Fund. Further information about it may be obtained from his office.

## ADDITIONAL FINANCIAL AID INFORMATION

A more detailed description of the financial aid program, *Costs and Financial Aid at Amherst College*, is available upon request from the Admission Office. Questions about the financial aid policy of Amherst College should be directed to Dean Routh.

# Degree Requirements

## BACHELOR OF ARTS

THE degree, Bachelor of Arts, is conferred upon students who have satisfactorily met the requirements described below. The plan of studies leading to this degree is arranged on the basis of the equivalent of an eight-semester course to be pursued by students in residence at Amherst College.

The degree, Bachelor of Arts, *cum laude*, *magna cum laude*, or *summa cum laude* (Degree with Honors) is awarded to students who have successfully completed an approved program of honors work with a department or group.

Other students who satisfactorily meet the requirements as indicated below receive the degree, Bachelor of Arts, *rite*.

### REQUIREMENTS

The Bachelor of Arts degree is awarded to students who:

1. Complete thirty-two full semester courses and four years of residence;\*
2. In freshman and sophomore years complete the three Problems of Inquiry courses;
3. Satisfy the distribution requirement (seven courses outside the major department) as specified below;
4. Satisfy the language proficiency requirement in French, German, Greek, Italian, Latin, Russian or Spanish as specified below;
5. Complete the requirements for a major in a department or a group of departments including the passing of a comprehensive examination as specified below;
6. Complete certain prescribed work in physical education;
7. Attain a general average of 6 in the courses completed at Amherst and a grade of at least 70 or C in every course completed at another institution for transfer credit to Amherst. No student may have deficiencies in the work of any year.

Members of the Class of 1969 will complete requirements 4 through 7 above. They may not elect Problems of Inquiry. They should take a normal program of four full courses during each of their remaining semesters.

\*A faculty vote specifies that a student with twenty-four courses and three years of residence may apply for graduation if all other requirements have been met. Conditions under which such a request would be granted are still under study. The four-year residence requirement has been abrogated in recent years only for transfer students, students participating in the M.I.T. program and students given special permission by the Dean of the Faculty to substitute up to one year of work at a university, usually foreign. Except for the M.I.T. program, residence is required at Amherst College during the senior year.

## DEGREE REQUIREMENTS

Members of the Class of 1969 will satisfy the extra-divisional requirement by taking during their sophomore year one two-course sequence in two of the three divisions of the curriculum and one course in the other division. A course or sequence of courses taken in the department of the student's major, if he has elected one, may be used to help satisfy this requirement.

## COURSE REQUIREMENTS

All students except Independent Scholars are required to elect four full courses each semester and may elect an additional half course. The election of a half course in addition to the normal program is at the discretion of the student and without special permission. No student may elect more than one half course in any semester except by consent of the Dean of the Faculty and the Departments concerned. In such cases the student's program will be three full courses and two half courses. Under no circumstances except those specifically defined under the present rules will half courses be counted in fulfillment of the 32 course equivalence.

No student may elect five full courses, but with the consent of the instructor may audit a fifth course.

No student may add a course to his program after the tenth day of the semester.

No student may drop a course from his program after the tenth day of the semester without incurring a failure. Exceptions to this rule shall be made only for medical reasons, or reasons of grave personal emergency, and shall be made only by the Dean of Students.

A student who has not passed four full courses in any given semester must clarify his standing with the Dean of Students within seven days of his being notified of his deficiency. A student whose deficiency is attributable to a medical or other grave personal emergency may appeal to the Committee of Six, by application to its Secretary, for an abatement of the required number of thirty-two full courses for graduation.

A member of the Class of 1969 will be eligible for graduation upon the completion of the equivalent of 31 full courses rather than the 32 courses now stipulated, assuming that he has remained a student in full standing for 8 semesters. One course failure or one course dropped with a failing grade will be permitted without makeup.

No student will be eligible for graduation with honors without fulfilling the standing requirement of passing the equivalent of 32 full courses unless he qualified for special exemption under the present provisions for exemption.

Beginning with the Class of 1970 the full implications of the present definition of graduation requirements will apply.

## DISTRIBUTION REQUIREMENT

In order to provide students with a breadth of experience outside of their fields of major interest, each department has prepared one or more two-

## AMHERST COLLEGE

course sequences and one or more three-course sequences designed to give an introduction to its concepts, methods and achievements. Students are required to take one two-course sequence in a field outside the major but within the same division as the major, one two-course sequence in one of the divisions outside that of the major and one three-course sequence in the other division outside that of the major. Both two-course sequences and at least two courses of the three-course sequence must be completed by the end of the sophomore year.

In foreign languages, only courses at the literary level may be used to satisfy the distribution requirement in the humanities division. Problems of Inquiry do not satisfy any distribution requirement. Advanced placement in a course of study does not satisfy any part of the distribution requirement in that division.

Divisions are defined as follows:

Division I, Humanities, includes Dramatic Arts, English, all foreign languages including Classics, Fine Arts, Music, Philosophy and Religion.

Division II, Social Sciences, includes American Studies, Anthropology, Economics, History, Legal Studies, Political Science, Psychology and Sociology.

Division III, Mathematics and Natural Sciences, includes Astronomy, Biology, Biophysics, Chemistry, Geology, Mathematics and Physics.

## LANGUAGE REQUIREMENT

In modern languages the requirement may be met either:

1. At entrance by a satisfactory score in the College Entrance Examination Board achievement test in the language, plus a demonstration of ability to comprehend the spoken language as shown either by a satisfactory score in the listening comprehension test administered by the College Entrance Examination Board, or in an aural examination to be given to freshmen at the beginning of the college year; or

2. After entrance by passing course 5 in French, German or Spanish; or by passing course 12 in Italian or course 4 in Russian; or by passing reading and aural comprehension examinations to be given at the end of course 3 in French, German or Spanish.

In ancient languages the requirement may be met either:

1. At entrance by a satisfactory score in the College Entrance Examination Board achievement test in Greek or Latin, or

2. After entrance by passing Latin 3 with a grade of C, by passing any higher numbered full course in Latin, or by passing Greek 11.

## THE MAJOR REQUIREMENT

A major normally consists of eight courses pursued under the direction of a department or special group. A major may begin in either the freshman or



## DEGREE REQUIREMENTS

sophomore year and is normally declared by the beginning of the junior year. Students may change their major at any time provided that they will be able to complete the new program before graduation.

The major program can be devised in accordance with either of two plans:

Plan A: A student may complete the eight-course requirement within one department. He must complete at least six courses within one department, however, in which case he may take the remaining two courses in related fields approved by the department.

Plan B: Combinations of courses not provided for under Plan A, but similar in aim to the established group majors in American Studies and Biophysics, may be made with the consent of the several departments concerned and of the Dean of the Faculty.

Comprehensive examinations are part of the major requirement in every department. Students will take their Comprehensive Examinations not later than the seventh week of the second semester of the senior year. A make-up for those failing the examination will be given not later than the last day of classes of the second semester of the senior year. A student who fails the first make-up will be given one further opportunity to retake his Comprehensive Examination during the next College year.

No student may be exempted from any part of the examination required of other departmental majors; a department may, however, provide different examinations for honors and *rite* candidates.

## DEGREE WITH HONORS

The degree Bachelor of Arts with honors is awarded at graduation to students whose academic records give evidence of particular merit. It may be awarded *cum laude*, *magna cum laude*, or *summa cum laude*, according to the level of achievement of the candidates. All degrees with honors are noted on the diploma and the commencement program, and are announced in the annual catalog.

The award of honors is made by the Faculty of the College. In making such awards the Faculty will take into account the following factors: (1) Candidates must have a minimum college average of 9 to be eligible to be considered for the degree *cum laude*, of 11 for the degree *magna cum laude*, and of 12 for the degree *summa cum laude*. (2) Candidates must receive the recommendations for the degree *cum laude*, *magna cum laude*, or *summa cum laude* from the department in which they have done their major work. Each department will define the conditions upon which it will be its practice to make recommendations to the Faculty. (3) In the case of the award of *magna cum laude* and *summa cum laude* the Dean of the Faculty and the Committee of Six will review the entire record of candidates and will transmit to the Faculty their recommendations. Only students of marked distinction in both general work and in the field of honor studies will be recommended for the *summa cum laude* degree.

## AMHERST COLLEGE

In exceptional cases, upon recommendation of the department in which the candidate has done his major work, the Committee of Six may recommend to the Faculty that a student be awarded a degree of honors for which he does not have the required average.

The minimum average required for a student to be accepted by a department as a candidate for honors is determined by the department concerned.

Students in the Independent Study Program may become candidates for the degree with honors. Recommendations for such students will be made by the student's tutor together with those members of his committee who have joined in assigning him his comprehensive grade in the program.

## INDEPENDENT STUDY

A limited number of students who elect to do so may participate in an independent study program, usually in the junior or senior years. Participants are chosen by a faculty committee of four members, including the Dean of the Faculty, after nomination for the program by a member of the Faculty. Independent Scholars are free to plan a personal program of study under the direction of a tutor, chosen by the student with the advice and consent of the selection committee. The tutor provides the guidance and counsel necessary to help the student attain the educational objectives he has set for himself. The tutor and one or more other members of the Faculty familiar with the student's work will ultimately assign a comprehensive grade and provide a detailed, written evaluation of the student's performance which will become part of his formal record at Amherst College. Grades in such regular courses as the student may elect will be taken into account in assigning the comprehensive grade, and the student is eligible for a degree with honors, as well as all other awards and distinctions.

## ADVANCED PLACEMENT & EARLY GRADUATION

Many academic departments grant advanced placement to properly qualified students by allowing them to enroll in a course beyond the elementary offering. (This does not constitute satisfaction of the distribution requirement in that division.) While the College does not confer advanced *standing* on entrance, an undergraduate with three years of residence and 24 courses, and who has completed all other requirements, may apply for graduation.

## FOUR-COLLEGE COURSES

Amherst, Mount Holyoke and Smith Colleges and the University of Massachusetts have for some time combined their academic activities in selected areas for the purpose of extending and enriching their collective educational resources. Certain specialized courses not ordinarily available at the undergraduate level are operated jointly and open to all. In addition, a student in good standing at any of the four institutions may take a course, without



## DEGREE REQUIREMENTS

cost to the student, at any of the other three if the course is not available to him on his own campus and he has the necessary qualifications. The course must have a bearing on the educational plan arranged by the student and his adviser. Approvals of the student's adviser and the Academic Dean of the College (Provost at the University) at the home institution are required. Permission of the instructor is required for students from other campuses if permission is required for students of the institution at which the course is offered.

Students should apply for interchange courses at least six weeks prior to the beginning of the semester since they may find some courses already filled after that time. Free bus transportation among the four institutions is available for interchange students.

Students interested in such courses will find current catalogs of the other institutions at the Loan Desk of the Library and at the Registrar's Office. Application blanks may be obtained from the Registrar's Office.

## MASTER OF ARTS

THE degree of Master of Arts is conferred upon students who have received the Bachelor of Arts degree either from Amherst College or from another college which has similar requirements for the Bachelor of Arts degree, and who have met the requirements described below. Application forms and a detailed explanation of the requirements may be obtained from the Dean of the Faculty.

### REQUIREMENTS

To become a candidate for the Master of Arts degree, students are expected to have had at least a B average or its equivalent in their undergraduate work. They should secure approval of proposed courses of study from the Dean, the department concerned, and the Committee of Six, not later than the June preceding the opening of the college year in which they plan to begin work for this degree.

Candidates are required to complete at least eight semester courses of advanced character, or the equivalent, under the direction of the department concerned, to secure grades of at least B in every course, to spend a minimum of two semesters in residence at Amherst College, to prepare a satisfactory thesis, and to pass oral and written comprehensive examinations.

## COOPERATIVE DOCTOR OF PHILOSOPHY

A COOPERATIVE Doctor of Philosophy program has been established by Amherst, Mount Holyoke, and Smith Colleges and the University of Massachu-

## AMHERST COLLEGE

setts. The degree is awarded by the University of Massachusetts but some and perhaps much—and in a few exceptional cases even all—of the work leading to the degree might be done in one or more of the other institutions.

When a student has been awarded a degree under this program, the fact that it is a cooperative doctoral degree involving Amherst, Mount Holyoke, and Smith Colleges and the University of Massachusetts will be indicated on the diploma, the permanent record, and all transcripts, as well as on the commencement program.

The requirements for the degree are identical to those for the Ph.D. degree at the University of Massachusetts except for the statement relating to "residence." For the cooperative Ph.D. degree "residence" is defined as the institution where the dissertation is being done.

Students interested in this program should write to the Dean of the Graduate School at the University of Massachusetts. However, students who wish to work under the direction of a member of the Amherst Faculty must have their proposal approved by the Dean of the Faculty of Amherst College and by the Amherst Faculty Committee of Six.

# Faculty Statement on Intellectual Responsibility

IN order to cooperate with the Student Council in its efforts to maintain an honor system at Amherst College, the Faculty has voted the following statement and articles:

*A Statement of Intellectual Responsibility  
Among Students at Amherst College:*

The following Articles are an institutional expression of the basic fact that every man's education is the product of his own intellectual efforts. Amherst cannot educate a man who will not educate himself. Amherst sees no value in making its facilities available to a man who avoids the responsibility and opportunity for his own education. Every man who enrolls and remains at Amherst, therefore, understands that to submit work which is not his own violates the purpose of the College and of his presence there. No intellectual community can maintain its integrity or be faithful to its members if violations of its central purpose are for any reason tolerated.

This principle of intellectual responsibility applies to all work done by students.

## ARTICLE I

This statement will be perpetuated in the Amherst College Bulletin, Student Handbook, and other publications deemed appropriate. The following affirmation will be printed on the course enrollment cards for every course; it must be signed before enrollment can be considered:

"I have read, understand, and accept the Statement of Intellectual Responsibility Among Students at Amherst College, and agree with this principle as it relates to this course.

.....(signed)"

## ARTICLE II

Section 1. Examinations will not be proctored; orderly and honorable conduct of examinations will be the individual and collective responsibility of the students concerned, in accordance with the Statement above.

Section 2. The instructor may be present at examinations at appropriate times to answer any questions that arise.

## AMHERST COLLEGE

### ARTICLE III

In instances of purported or ascertained violation of the Statement of Intellectual Responsibility, the Student Council will, after proper scrutiny and deliberation, recommend the course of action to be followed, the recommendation being subject to the approval of the College Council and of the President of the College.

### ARTICLE IV

The Student Council shall make provision for explaining the Statement of Intellectual Responsibility to incoming freshmen and to new members of the Faculty, and for publicizing and interpreting the Statement to the Student Body during the year. The Student Council will consider any problems of maintaining intellectual responsibility which are brought before them by the students. They will make any recommendations which they deem advisable for action by the Faculty and Administration. At some time each year the Council shall also be responsible for a serious review of the effectiveness of these procedures in promoting the central purpose of the College.

# III

## COURSES OF INSTRUCTION



*Johnson  
Chapel*





# Courses of Instruction

COURSES are open to all undergraduates, subject only to the restrictions specified in the individual descriptions. Courses listed as elective for a particular class may be elected by members of that class and higher classes. In general all courses numbered 1 to 9 are introductory language courses. Introductory courses in other areas are numbered 11 to 20, senior honors courses, usually open only to candidates for the degree with honors, are numbered 77 and 78, and special topics courses are numbered 97 and 98. All courses, unless otherwise marked, are full courses. The course numbers of double courses and half courses are preceded by D or H. All odd-numbered courses are offered in the first semester, unless followed by the designation s, and all even numbered courses are offered in the second semester unless followed by the designation f.

## SPECIAL TOPICS COURSES

Departments may offer a semester or a year course known as Special Topics in which a student or a group of students study or read widely in a field of special interest. It is understood that this course will not duplicate any other course regularly offered in the curriculum and that the student will work in this course as independently as the director thinks possible.

Before the time of registration the student should consult the teacher in whose field of competence his subject comes and who will direct his work; they will decide the title to be reported, the nature of the examination or term paper, and will discuss the preparation of a bibliography and a plan of coherent study. All students must obtain final approval of the Department before registration. Two Special Topics courses may not be taken concurrently.

## PROBLEMS OF INQUIRY

Each of the three Problems of Inquiry courses is a one-semester interdisciplinary introduction to the outlook and methods of one of the major divisions of the liberal arts program. Students must normally elect these three courses within their first four semesters and no more than one of these courses may be elected in a single semester. Students shall be required to take all three Problems of Inquiry courses. Exemption from an Inquiry course may be made only by the Chairman of the course, in consultation with his staff. A student exempted from one version of an Inquiry course will not be required to take a later version of the course with different expectations for exemption.

## AMHERST COLLEGE

**1. Humanities.** A number of works in the humanities will be considered with an eye toward distinguishing and comparing the kinds of discourse stimulated by each. Materials will be selected mainly, though not exclusively, from literature, music, fine arts, and imaginative works of discursive prose.

For 1968-69, grades in Problems of Inquiry in the Humanities will be reported as pass or fail. A pass grade is not included in the student's average, although a failure is treated as would be any other grade.

Three meetings a week, usually in sections. Elective for Freshmen and Sophomores. First semester. Professors Bierman, Cannon (Chairman), Chickering, French, Mishkin, Pemberton, Schmalz, Simpson, Sofield, White and Mrs. Barnes.

**1s. Humanities.** Same description as Problems of Inquiry 1.

Three meetings a week, usually in sections. Elective for Freshmen and Sophomores. Second semester. Professors Bierman, Cannon (Chairman), Cody, French, J. Moore, Pemberton, Rinnander, Ryerson, Trapp, White and Zemelman.

**2f. The Social Sciences.** An examination of the ways in which the various social sciences seek to understand social phenomena. The subject for 1968-69 will be poverty. The course will be concerned with the techniques and explanatory models employed by the social science disciplines in the study of poverty. The class will meet as a whole for lectures and in sections for seminar discussions.

Elective for Freshmen and Sophomores. First semester. Professors Beals (Chairman), Chalmers, Czap, Dinkelspiel, Mead, B. Morgan, Nicholson, Pitkin, Ratté, Schneider and Warne; Mr. Lees.

**2. The Social Sciences.** Same description as Problems of Inquiry 2f.

Elective for Freshmen and Sophomores. Second semester. Professors Beals (Chairman), Birney, Collery, Gifford, Halsted, Kateb, Köhler, Monsma, and Taubman.

**3. The Natural Sciences.** An examination of essential aspects of scientific methodology and philosophy. The impact of science upon man's world view and an evaluation of the role of the layman in a society that is increasingly science-oriented. Active student participation is encouraged as much as possible in developing these ideas by frequent use of small seminar discussions.

In 1968-69, illustrations of these concepts will be drawn from several scientific disciplines: the Copernican Revolution, the Theory of the Gene, the Origin of Life. Three hours of lectures and discussions and one two-hour laboratory per week.

This course should not be elected by students intending to major in the Sciences (exclusive of Mathematics) or students who are planning Pre-

## AMERICAN STUDIES

Medical programs. Elective for Freshmen and Sophomores. First semester. Professors Dempsey, Duffy, Ellis, Hexter (Chairman), Silver, Whitney and Yost.

**3s. The Natural Sciences.** Same description as Problems of Inquiry 3.

This course should not be elected by students intending to major in the Sciences (exclusive of Mathematics) or students who are planning Pre-Medical programs. Elective for Freshmen and Sophomores. Second semester. Professors Denton, Hexter (Chairman), Romer, Silver, Towne, Yost and others.

## AMERICAN STUDIES

Professors Greene, Marx, B. Morgan, Rozwenc\*, Ward (Chairman, second semester), Warne and Ziegler and Visiting Professor Welland; Associate Professors Guttman\* and Hawkins (Chairman, first semester) and Visiting Associate Professor Woodbury; Assistant Professors Clark, Levin\* and Reed; Mrs. Ryerson.

American Studies is a program which searches for an understanding of the relations among institutions, ideas, and aesthetic forms within the American experience. By combining work in a number of the traditional scholarly disciplines, it aims to place the student in a position where he can see and can make some statements about these relations.

*Major Program.* A major in American Studies is required to develop a program of courses and independent reading which will enable him to pass a series of intensive written and oral examinations in the spring semester of the senior year. These examinations will cover:

1. The main forces which have shaped American life throughout American history. An American Studies major must understand changes in political and social institutions, the forms of economic organization, the competing myths and ideologies, and responses to world politics which have developed in the American experience.

2. The classic writings and other creative efforts in the American intellectual tradition. These include significant works in literature, art, philosophy, and political and social theory.

A major in American Studies will be required to take both terms of the introductory course (American Studies 11, 12) and to work out for himself a program of study inside and outside of courses which will enable him to pass the comprehensive examinations of the senior year. Such a program of study should include a primary emphasis on history and literature (at least three courses in each field), and a competent knowledge of at least one other

\*On leave 1968-69.

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field (at least two courses), viz., economics, political science, anthropology, philosophy, religion, art, or music.

A major in American Studies will be given a reading list upon acceptance into the major. The works which appear on the reading list will constitute a basic part of the comprehensive examinations in the spring semester of the senior year.

Beginning with the class of 1970, no more than thirty students from each class will be admitted to the major program in American Studies. To be eligible for admission to the major program, a student must take American Studies 11, 12, before the end of the sophomore year. All students who are accepted in the major program must take the Junior Seminar in American Civilization, the Junior Tutorial course, and the two Senior Tutorial courses listed in the departmental offerings. In conjunction with the senior tutorial courses, each student in a major program will write an original essay that develops a form of interdisciplinary inquiry which has been approved by the Department.

All majors in the class of 1969 who have not taken the Junior Honors Seminar are required to take the special senior seminar, American Studies 72.

*Honors Program.* All students majoring in American Studies are required to take the six interdisciplinary courses offered by the Department. Recommendations for honors will be made at the end of the senior year after the comprehensive examinations and the completion of the senior essay.

*Distribution Sequences.* A student taking a three-course sequence will be expected to take both terms of the introductory course (American Studies 11, 12) and a third course that is included in one of the fields in Division II (Social Science) of the curriculum; a student taking a two-course sequence in the Department will be allowed to take only American Studies 11, 12.

Unless otherwise specified all courses are open to freshmen.

**11, 12. An Introduction to American Civilization.** This course will explore the significant interrelations among politics, economic organization, literature, religion, art, etc. in selected moments of American history. The center of attention in the course will be the investigation of large cultural configurations in the American experience rather than a comprehensive historical treatment. Relevant problems of meaning and method in this kind of interdisciplinary inquiry will also be considered.

Elective for Freshmen. First and second semesters. Professors Clark, Greene, Hawkins, Marx, B. Morgan, Reed, Ward, Warne, Welland, Woodbury and Ziegler; Mrs. Ryerson.

**Labor Economics.** Same course as Economics 21.

First semester. Professor Warne.

**The American Economy.** Same course as Economics 24.

Second semester. Professor Nelson.



## AMERICAN STUDIES

**American Economic History.** Same course as Economics 28.

Second semester. Professor Aitken.

**American Art.** Same course as Fine Arts 38.

Elective for Sophomores. Second semester. Professor C. Morgan.

**Readings in American Literature.** Same course as English 60f.

Requisite: At least two semester courses in American literature. Elective for Juniors. Admission with the consent of the instructor. Seminar course limited to 15 students. First semester. Professor Marx.

**American Literature I.** Same course as English 61.

Elective for Sophomores. First semester. Professor Marx.

**American Literature II.** Same course as English 62.

Elective for Sophomores. Second semester. Professor Marx.

**American Literature III.** Same course as English 63.

Elective for Sophomores. First semester. Professor Welland.

**American Philosophy.** Same course as Philosophy 21.

Elective for Sophomores. First semester. Omitted 1968–69.

**Religion in America.** Same course as Religion 34.

Elective for Juniors. Second semester. Omitted 1968–69. Professor B. Morgan.

**American Government.** Same course as Political Science 21.

First semester. Professor Ziegler.

**Political Parties.** Same course as Political Science 31.

First semester. Professor Arkes.

**American Constitutional Development.** Same course as Political Science 41.

First semester. Professor Latham.

**American Political Thought.** Same course as Political Science 48.

Second semester. Omitted 1968–69. Professor Kateb.

**The History of American Society.** Same course as History 55.

First semester. Professor Clark.

**The History of American Society.** Same course as History 56.

Second semester. Omitted 1968–69. Professor Rozwenc.

**Seminar in Southern History.** Same course as History 57.

Limited to 15 students. First semester. Omitted 1968–69. Professor Hawkins.

**The Progressive Generation.** Same course as History 58.

Limited to 15 students. Second semester. Omitted 1968–69. Professor Greene.

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**Society and Politics in Jacksonian America.** Same course as History 59.

First semester. Omitted 1968–69. Professor Ward.

**Society and Politics in the Era of the New Deal.** Same course as History 60.

Limited to 15 students. Second semester. Omitted 1968–69. Professor Rozwenc.

**Foundations of American Civilization.** Same course as History 61s.

Second semester. Professor Greene.

**American Diplomatic History.** Same course as History 62.

Second semester. Omitted 1968–69. Professor Levin.

**Conference Course in American Intellectual History.** Same course as History 63.

Elective for Juniors on permission of instructor. First semester. Omitted 1968–69. Professor Commager.

**Conference Course in American Intellectual History.** Same course as History 64.

Elective for Juniors on permission of instructor. Second semester. Omitted 1968–69. Professor Commager.

**Seminar in American Educational History.** Same course as History 66.

Limited to 15 students. Second semester. Omitted 1968–69. Professor Hawkins.

**Race in American History.** Same course as History 67.

Limited to 25 students. First semester. Professor Hawkins.

**Ideas in American Culture.** Same course as History 72.

Second semester. Professor Ward.

**67. Seminar in American Civilization.** An interdisciplinary investigation of selected aspects of American civilization.

Required of all junior majors in American Studies. One two-hour seminar weekly. First Semester. The Department. To be offered jointly with Smith College.

**68. Junior Tutorial Course.** An independent exploration of an interdisciplinary problem in American civilization leading to the preparation of a senior essay.

Required of all junior majors in American Studies. Second semester.

**72. Seminar in American Civilization.** A study of selected topics in American Civilization including problems of methodology in the various disciplines within the American Studies program. One two-hour seminar weekly.

Required for Senior Rite majors. Admission with consent of the Department. Second semester. Professor Clark.



**77. Senior Tutorial Course.** The preparation of a senior essay that develops a form of interdisciplinary inquiry in American civilization which has been approved by the Department.

Required of all senior majors. First semester.

**78. Senior Tutorial Course.** The preparation of a senior essay that develops a form of interdisciplinary inquiry in American civilization which has been approved by the Department.

Required of all senior majors. Second semester.

**97. Special Topics. Independent Reading Course.**

First semester.

**98. Special Topics. Independent Reading Course.**

Second semester.

## ANTHROPOLOGY AND SOCIOLOGY

Professors Pitkin (Chairman) and Birnbaum; Miss Eayrs.

The Anthropology and Sociology program is designed to complement the work of the other disciplines in the Social Science division by bringing to bear the specific resources of each discipline upon the understanding of man in society and culture. Emphasis is placed upon traditional as well as upon modern societies and upon man in the past as well as in the present.

*Major Program:* Students majoring in the department will be able to emphasize either an anthropology or sociology curriculum. In the first instance students will normally take (although not necessarily in this order) Sociology 11 or 12, Anthropology 11, 12, 21 or 23, 24 or 26, 31 and 40 or 42. Those who pursue a sociology curriculum will normally take Anthropology 11 or 12 Sociology 11, 12, 23, 24 and two additional courses in anthropology at Amherst or in sociology from four-college electives. Candidates for degrees with honors will include 77, 78.

*Distribution Sequences:* A two-course sequence will be Anthropology 11 or 12 and any other course in the department, or Sociology 11 or 12 and any other course in the department. A three course sequence will be Anthropology 11 or 12 and any other two courses in the department, or Sociology 11 or 12 and any other two courses in the department.

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**11. The Evolution of Culture.** An analysis of culture in evolutionary perspective, regarding it as the distinctive adaptive mode of man.

Elective for Freshmen. Not to be elected by students who have elected Anthropology 21 or 21s in the former curriculum. First semester. Professor Pitkin.

**12. The Culture Concept.** A consideration of the culture idea and its application in descriptive analysis of specific cultures with a concern for what is common to all cultures.

Elective for Freshmen. Second semester. Miss Eayrs.

**21. Comparative Social Organization.** A comparative analysis of a number of primitive societies with special attention to the structural form of particular aspects of overall organization.

Elective for Sophomores. First semester. Omitted 1968-69. Miss Eayrs.

**23. Primate Social Behavior.** A comparative examination of the several behavioral systems of different primate groups for a greater understanding of the nature and functioning of human societies.

Elective for Sophomores. To alternate with Anthropology 21. First Semester. Miss Eayrs.

**24. Comparative Mythology.** Comparative analysis of a number of mythic systems with special reference to the problem of human psycho-cultural diversity or unity.

Elective for Sophomores. To alternate with Anthropology 26. Second semester. Omitted 1968-69. Professor Pitkin.

**26. Peasant Society and Culture.** An examination of the concept of peasantry in addition to an analysis of a number of peasant societies drawn both from literature and the social sciences.

Elective for Sophomores. To alternate with Anthropology 24. Second semester. Professor Pitkin.

**31. Language, Culture and the Individual.** An attempt to understand the nature of language and a discussion of the interrelations of language, culture and the individual. Two-hour weekly seminar. Limited to fifteen students.

Elective for Juniors with consent of the instructor. First semester. Miss Eayrs.

**36. Culture and Personality.** An examination of theoretical and methodological issues concerning the relationship between personality and culture. Two-hour weekly seminar.

Limited to twelve students. Elective for Juniors with consent of the instructor. Second semester. Professor Pitkin.

**40. Anthropological Theory: I.** A critique of anthropological theory from the mid-nineteenth century to the present with an emphasis on the structural-functional approach. Two-hour weekly seminar. Limited to fifteen students.

Elective for Juniors with the consent of the instructor. To alternate with Anthropology 42. Second semester. Miss Eayrs.

**42. Anthropological Theory: II.** A critique of anthropological theory from the mid-nineteenth century to the present, with an emphasis on the cultural-historical approach. Two-hour weekly seminar. Limited to fifteen students.

Elective for Juniors with consent of the instructor. To alternate with Anthropology 40. Second semester. Omitted 1968-69. Miss Eayrs.

**77, 78. Honors Course.**

First and second semesters. The Department.

**97, H97, 98, H98. Special Topics.** Independent Reading Courses. Full or half course.

First and second semesters. The Department.

## Sociology

**11. Introduction to Sociology.** An historical introduction to sociology. The origins of sociological thought in the philosophies of history and politics, and the influence of the French and industrial revolutions. National intellectual and political traditions and sociology. The development of social research. A number of classical sociologists and of historically important enquiries will be studied. Three hours per week.

Elective for Freshmen. First semester. Professor Birnbaum.

**12. Social Classes in Modern American Society.** An introduction of current interpretations and researches. The historical peculiarities of the American class system. Social classes, politics and culture. The questions of an American elite and of classlessness. The rediscovery of poverty and the problems of race. Comparisons with other industrial societies. Three hours per week.

Elective for Freshmen. Second semester. Professor Birnbaum.

**23. The Universities.** Historical origins of the modern universities and national university traditions. Current changes in the social composition of student bodies and in the relationship of universities to society: elite formation. Liberal education and the "knowledge factory." The internal organization of universities. One two-hour seminar per week.

Elective for Juniors and Seniors. First semester. Professor Birnbaum.

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**24. The Sociology of Religion.** A survey of important sociological writings and of the present state of sociological enquiry on religion. Two problems will receive particular attention: the analysis of secularization and the current dialogue between Christians and Marxists. One two-hour seminar per week.

Elective for Juniors and Seniors. Second semester. Professor Birnbaum.

## ASTRONOMY

Professors E. R. Harrison and Strong; Associate Professor Irvine (Chairman); Assistant Professors Adler, Arny, Cogan and Plummer.

A joint Astronomy Department provides instruction at Amherst, Mount Holyoke and Smith Colleges and the University of Massachusetts. Introductory courses are taught separately at each of the four institutions; advanced courses are taught jointly.

ASTFC indicates courses offered by the Four-College Astronomy Department. These courses are listed in the catalogs of all four institutions.

Two alternative programs are available leading to a degree in astronomy. The honors program is designed to meet the needs of the student who wishes to prepare for graduate work in astronomy or astrophysics, or who wishes a combined honors program with mathematics or physics. The *rite* major is available to the student who wishes to study astronomy largely for its cultural value, but who does not plan graduate study.

The facilities of all four institutions are available to departmental majors. Should the needs of a thesis project so dictate, the Department may arrange to obtain special materials from other observatories.

*Major Program.* Minimum requirements: Astronomy 11 or 22 (preferred), 37, 38, 73, 74; Mathematics 11, 12, 21; Physics 13, 14, 26; or equivalent by advanced placement.

Astronomy majors are not required to take Problems of Inquiry 3.

The course schedules for astronomy majors in the Classes of 1968 and 1969 will be arranged, in consultation with the Department, on an individual basis.

A student who considers majoring in astronomy should consult with the Department as early as possible in his college career. Honors students should complete Mathematics 12 and Physics 13 before the start of the sophomore year.

An appropriate program for the student who achieves advanced placement in physics or astronomy will be devised on an individual basis, in consultation with the Dean and the Physics Department.

## ASTRONOMY

*Honors Program.* Minimum requirements: Astronomy 22, 37 or 38, 43 or 44, 77, 78; Chemistry 31; Mathematics 11, 12, 21; Physics 13, 14, 26, 27, 33, 58; or equivalent by advanced placement.

*Distribution Sequence.* A two-course sequence may consist of any two courses in astronomy (Astronomy 11 and 34 is recommended for non-science majors), or Astronomy 11 and Physics 11, or Astronomy 22 and Physics 13. A three-course sequence may consist of any three courses in astronomy, or Mathematics 11, Astronomy 11 and 34, or Astronomy 22 and Physics 13 and 14. Other sequences may be arranged in consultation with the Department.

**11. Introductory Astronomy.** A course designed primarily for students not majoring in the physical sciences. The properties of the astronomical universe and the methods by which astronomers investigate it are discussed. The course describes the nature and properties of stars, our Galaxy, external galaxies, cosmology, the origin and character of the solar system, and the question of extraterrestrial life. Occasional observing with the 18" Amherst refracting telescope and demonstrations with the Spitz planetarium. Three hours of classroom work per week; observing sessions or laboratories are arranged during the semester.

Elective for Freshmen. First semester. Professor Cogan.

**22f. Introduction to Astronomy and Astrophysics.** For astronomy majors or others interested in a quantitative introductory course. A description of our present knowledge of the universe and the means by which this knowledge has been obtained. The course considers the properties of the solar system, individual and multiple stars, interstellar matter, our galactic system, external galaxies and the possibility of extraterrestrial life. Three hours of lecture, 1 hour of observing or a laboratory per week. To be given at Smith College. Same Course as ASTFC 22.

Requisite: Physics 13 and concurrent enrollment in Physics 14. Not open to students who have completed Astronomy 11 prior to 1967–68. Elective for Freshmen or Sophomores. First semester. Professor Strong.

**22. Introduction to Astronomy and Astrophysics.** Same description as Astronomy 22f. Second semester. Professor Cogan.

**34. Development of Astronomy.** The progress of astronomy is traced from prehistoric petroglyphs to the space age. Emphasis is placed upon the development of important ideas in the field and upon the relation of astronomy to other cultural trends. Supplemented by occasional use of the planetarium and the departmental telescopes. Three hours of classroom work per week. Same course as ASTFC 34.

Requisite: Astronomy 11 or 22. Elective for Freshmen. Offered in alternate years. Second semester. Professor Adler.



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**37. Astronomical Observation, Reduction, and Analysis I.** Fundamental astronomical catalogues and their uses; theory of the transit telescope; visual observation with the equatorial telescope and the transit; photography with the equatorial telescope; photographic photometry. Three hours per week. Some classroom hours will be replaced by observing sessions to be arranged. Same course as ASTFC 37.

Requisite: Astronomy 11 or 22 and Physics 14. Elective for Sophomores or Juniors. First semester. Professor Plummer.

**38. Astronomical Observation, Reduction, and Analysis II.** Astronomical spectroscopy including line identification, plate calibration and radial velocity determination; photography of objective grating spectra; photoelectric photometry including determination of atmospheric extinction and extrapolation to stellar color indices and magnitudes outside the atmosphere; photoelectric light curves of variable stars. Three hours per week. Some classroom hours will be replaced by observing sessions to be arranged. Same course as ASTFC 38.

Requisite: Astronomy 11 or 22 and Physics 14. Elective for Sophomores or Juniors. Second semester.

**43. Astrophysics I.** Basic topics in astronomy and astrophysics. Observational basis of astrophysics. General principles and the physical state of stellar interiors. Stellar evolution. Interstellar conditions and galactic structure. Two two-hour meetings per week. Same course as ASTFC 43.

Requisite: Physics 14, Mathematics 21 or 21s, H23. Elective for Juniors. First semester. Professor Harrison.

**44. Astrophysics II.** Interaction of matter and radiation. Radiative transfer. Introduction to the physics of stellar and planetary atmospheres. Interplanetary and interstellar particles. Extraterrestrial radio emission.

Requisite: Physics 27 or 58, or permission of instructor. Second semester. Professor Harrison.

**73, 74. Reading Course.** Required of rite majors. Students electing this course will be required to do extensive reading in the areas of astronomy and space science. Two term papers will be prepared during the year on topics acceptable to the department.

Elective for Seniors. First and second semesters. The Department.

**77, 78. Senior Honors.** Honors students may engage in either a theoretical or an observational program. Observational facilities include the 16-inch photometric reflector at Smith College, the 20-inch reflector at the University of Massachusetts, the 18-inch refractor at Amherst College, and the 4-inch Ross camera with objective grating at Amherst College. The department may arrange to obtain necessary materials from other observatories if the honors project requires them. An excellent astronomical library at Amherst and access to the CDC 3600 computer at the University of Massachusetts permit



wide opportunities for theoretical honors programs. An honors candidate must submit an acceptable thesis and pass an oral examination. The oral examination will consider the subject matter of the thesis and other areas of astronomy specifically discussed in astronomy courses.

Elective for Seniors. Required of honors students. First and second semesters. The Department.

## BIOLOGY

Professors Brower, Hexter, Kidder, Wood and Yost; Associate Professor Leadbetter (Chairman); Assistant Professors Ellis, Wallace and Zimmerman; Dr. Ives.

*Major Program.* A major in biology will consist of at least six semester courses in biology and two semester courses of organic chemistry. Biology 21, 22, 23, and 24, preferably in sequence, are required for majors. Biology 11-12 will not count toward the major without approval by the Department.

All majors must take a comprehensive examination during the senior year. The examination, which will cover the different areas of biology, may be either oral, written, or a combination of the two, as determined by the Department.

Specific requirements may be modified with the approval of the Department. It is recommended that Freshmen intending to major in biology concentrate during their freshman year on necessary background courses in mathematics, physics, or chemistry. Biology majors should omit Problems of Inquiry 3.

*Honors Program.* Honors work in biology is intended to offer an introduction to the purposes and methods of biological research. It is an excellent preparation for those students who wish to become professional scientists or who wish to acquire first-hand knowledge of the methods of modern science.

Candidates for the degree with honors should have completed, by the beginning of senior year, Biology 21, 22, 23, and 24. Honors candidates must elect Biology 77-78 and must complete, by the end of the senior year, a minimum of eight full courses in biology. Specific requirements may be modified with the approval of the Department.

The work for honors in biology consists of two main activities: (a) participation in a seminar in which the candidate reports on recent literature dealing with current scientific investigations; (b) an original investigation under the direction of some member of the staff. The candidate writes a thesis presenting the results of his research to the whole Department.

*Distribution Sequences.* The following three-semester distributional sequences are offered (the first two courses in each case satisfy the requirement for a two-semester distribution sequence):

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1. Biology 11, Biology 12, and any other course in the Department for which the student has the requisites.

2. Chemistry 11 or 31, Biology 14, Biology 21.

3. Chemistry 11 or 31, Biology 21, and either Biology 22, 23, or 24.

**11. Introduction to Biology I.** An introduction to biological principles as a part of a program of liberal study. Recommended as a broad view of biology for non-science majors. Normally does not count toward a biology major. Three classroom hours and four hours of laboratory work per week.

Elective for Freshmen. First semester. Professor Zimmerman.

**12. Introduction to Biology II.** A continuation of Biology 11.

Requisite: Biology 11 or equivalent. Elective for Freshmen. Second semester. Professors Yost and Zimmerman.

**21. Genetics and Cytology.** A study of the basic facts of heredity, an analysis of cellular structure, and a consideration of the various hypotheses for the action of genes in the control of cellular and multi-cellular processes. Four classroom hours and four hours of laboratory work per week.

Requisite: concurrent registration in Chemistry 11 or equivalent. Required for biology majors. Elective for Sophomores. Freshmen may elect it with the consent of the instructor. First semester. Professors Hexter and Yost.

**22. Developmental Biology.** A study of the development of animals and plants, leading to the formulation of the principles of development, and including an introduction to experimental embryology and developmental physiology. Four classroom hours and four hours of laboratory per week.

Requisite: Biology 21. Required for biology majors. Elective for Sophomores. Freshmen who have credit for Biology 21 may elect Biology 22 with the consent of the instructor. Second semester. Professors Ellis and Wallace.

**23. Cell Biochemistry and Physiology.** A study of the physiology and biochemistry of general and specialized cell types. Four classroom hours and four hours laboratory per week.

Requisite: one semester each of biology and chemistry, and concurrent registration in Organic Chemistry. Required for biology majors. Elective for Juniors. Elective for Sophomores who have credit for Biology 22, with the consent of the instructor. First semester. Professors Kidder and Leadbetter.

**24. Evolutionary Biology.** History of evolutionary ideas, principles of classification, comparative anatomy, genetics of individuals and populations, analysis of and evidence for natural selection and adaptation, the fossil record and the evolution of man.

Requisite: Biology 21. Required for biology majors. Elective for Juniors. Elective for Sophomores who have credit for Biology 21 with the consent of the instructor. Second semester. Professors Brower and Wood.

**41. Ecology.** A study of the interrelations of living organisms and their environment. The natural regulation of animal numbers, problems of population, natural selection, and the origin and distribution of species will be discussed. Three classroom hours and four hours laboratory or field work per week.

Requisite: Biology 21 or the consent of the instructor. Elective for Juniors. First semester. Professor Brower.

**42. Bacteriology.** A study of the ecology, physiology, and biochemistry of microorganisms, with special emphasis on the non-pathogenic bacteria. Two classroom hours and eight hours laboratory per week.

Requisite: Biology 23. Elective for Juniors. Limited to twenty students. Second semester. Professor Leadbetter.

**43. Comparative Physiology.** A study of aspects of the functioning of various systems of selected animals, both vertebrate and invertebrate. Three classroom hours and four hours laboratory per week.

Requisite: one semester of biology. Elective for Juniors. Limited to twelve students. First semester. Professor Wallace.

**45. Vertebrate Paleontology.** The evolution of vertebrates as shown by the study of fossils, and the relationship of environment to evolution. Three classroom hours and four hours laboratory work per week. Same course as Geology 45.

Requisite: Biology 24 or Geology 12. Elective for Juniors. Limited to twelve students. First semester. Professor Wood.

**46. Biology of Protozoa.** A study of animal microorganisms with special emphasis on physiology, biochemistry, and development. Three classroom hours and four hours laboratory per week.

Requisite: Biology 23 and Organic Chemistry (which may be taken concurrently). Elective for Juniors. Limited to twelve students. Second semester. Professor Kidder.

**47. Advanced Developmental Biology.** An analysis of the present views of development at the cellular and biochemical levels with special attention to the genetic control of embryonic differentiation and to cellular interaction in morphogenesis. Three classroom hours and four hours laboratory per week.

Requisites: Biology 22 and 23. Elective for Seniors. Elective for Juniors who have credit for Biology 23 and with the consent of the instructor. Limited to twelve students. First semester. Professor Ellis.

**52. Seminar in Genetics.** A study in depth of one of several topics in genetics. Topics will vary from year to year. Primary sources will be used when available. Two classroom hours per week. Intended primarily for non-honors majors.

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Requisite: Biology 21 and the consent of the instructor. Elective for Seniors. Limited to fifteen students. Second semester. Omitted 1968-69. Professor Hexter.

**54. Seminar in Radiation Biology.** A study of selected problems of current interest in radiation biology. The topics will vary from year to year. Extensive use will be made of primary sources. Two classroom hours per week. Students who take Biology 54 will not be allowed to take Biology 52, and *vice versa*.

Requisites: Biology 21 and 23. Elective for Seniors not honoring in Biology. Limited to twelve students. Second semester. Professor Yost.

**56. Seminar in Animal Behavior.** Physiological, genetic and evolutionary aspects of invertebrate and vertebrate behavior. The emphasis on topics will vary from year to year. Two and occasionally three classroom hours per week. Does not satisfy departmental requirements for Biology Honors candidate.

Requisite: Biology 21 or Biology 11 and 12, and consent of the instructor. Second semester. Professor Zimmerman.

**77. Biology Honors.** All honors students will take this course. The work consists of a combined seminar, specialized seminars, and individual research. Students will elect one of the following specialized seminar courses with the approval of the Department: Biochemistry and Microbiology, Evolution, Developmental Biology, Genetics, and Radiation Biology. The course is designed for honors candidates but is open to other advanced students with the consent of the Department.

Requisite: Biology 21, 22, 23, and 24. Elective for Seniors. First semester. The Staff.

**D78. Biology Honors.** A continuation of Biology 77. A double course.

Elective for Seniors. Second semester. The Staff.

**97, H97. Special Topics.** Independent Reading or Research Course. Half or full course, as arranged.

First semester.

**98, H98. Special Topics.** Independent Reading or Research Course. Half or full course, as arranged.

Second semester.

## BIOPHYSICS

Advisory Committee: Professors Dempsey, Kropf\* and Yost (Chairman); Associate Professors Fink,\* Leadbetter and Silver; Assistant Professor Ellis.

A student may receive the B.A. degree from Amherst with an interdepart-

\*On leave 1968-69.

mental major in biophysics. This program is designed for those few capable students who either wish the breadth of experience this program provides or who wish to prepare for graduate study in this field. The course of study is organized around course offerings of the various science departments whose disciplines are fundamental to work in biophysics.

*Major Program.* It should be noted that some of the introductory departmental courses are bracketed, since it is hoped that they will have been satisfied upon admission. If not, they should be taken as required. Requirements: Biology 21 and 22 or 23; Chemistry (11), 31, 43, 44, 47 and 48; Mathematics (11), 12 and 21; Physics (13), 14, 28 and 26 or 34. Substitutions or omissions may be made in certain cases with the advice and approval of the chairman. Problems of Inquiry 3 is not required of biophysics majors.

It is important that a prospective biophysics major consult with the departmental advisor early in his academic career in order to determine his course selections and prospective seminar and honors work.

*Honors Program.* Candidates for the degree with honors should elect Biophysics 77 and 78 in addition to the above program. An honors candidate may choose to do his senior honors work with any faculty member from any of the various science departments who is willing to direct relevant thesis work. The comprehensive examination will be administered by members of the advisory committee.

**77, D78. Biophysics Honors.** The work consists of a seminar dealing with problems of current interest in biophysics and the preparation of a thesis based upon an individual investigation under the direction of a faculty member. Full course first semester. Double course second semester.

The Committee.

**97, H97, 98, H98. Special Topics. Independent Reading.** Full or half course. First and second semesters.

## CHEMISTRY

Professors Beebe (emeritus), Kropf\* and Whitney (Chairman); Associate Professors Fink\* and Silver; Assistant Professors Kittelberger, Offenhartz, Sargent and Snellgrove.

*Major Program.* A student considering a major in chemistry should consult a member of the Department as early as possible, preferably during his freshman year. This will help the student elect a program which best fits his interests and abilities and which makes full use of his previous preparation. Programs can be arranged for students considering careers in chemistry,

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chemical physics, biochemistry, biophysical chemistry, medical research, medicine, and secondary school science teaching.

The minimum requirements for a major in chemistry are Chemistry 31 or 31s, 32, 43, 44, 47, 48, Mathematics 12 and Physics 14. (Students in the Classes of 1968–1969 can satisfy the mathematics and physics requirements with Mathematics 3 and Physics 23 or 24.) Chemistry majors may omit Problems of Inquiry 3, and should take Chemistry 11, Mathematics 11 or 11s and Physics 13 or 13s in the freshman year. A reading knowledge of German and/or Russian is desirable for a student planning graduate work in Chemistry.

*Honors Program.* A candidate for the degree with honors will usually also elect Chemistry 61s, 77 and D78. Normally an honors candidate will complete the courses required of a major by the end of the junior year. It is highly desirable that an honors candidate, especially if his field of interest is physical chemistry, elect Mathematics 21 and one or more additional semesters of physics and mathematics beyond those required.

The honors program described above assumes that the student will have completed physical chemistry and organic chemistry by the end of his junior year, and this program is most desirable for those planning to go on to graduate study in chemistry. The honors candidate who for some reason is unable to complete the sequence Chemistry 43, 44, 47, 48 by the end of his junior year may, with the permission of the Department, defer either organic chemistry or physical chemistry until his senior year and substitute suitable biology or physics courses for Chemistry 61s and any special topics courses which may be required. These exceptions and the nature of the substituted courses will be granted on an individual basis by the departmental advisor.

Honors candidates will attend the chemistry seminar during their junior and senior years, participating in it actively in the senior year. All chemistry majors should attend the seminar in their senior year. At this seminar discussions of topics of current interest will be conducted by staff members, visitors and students.

In the senior year an individual thesis problem will be selected by the honors candidate in conference with some member of the Department. Current areas of research in the Department are: theoretical chemistry, quantum mechanical calculations for porphyrin and other compounds, nucleophilicity of carbon—carbon bonding electrons, reactions of aromatic anions, chemistry of the visual process, mechanism of organic reactions, enzyme catalyzed processes, coordination chemistry and reaction mechanisms of metalloporphyrins, nuclear chemistry, chemistry of atomic and molecular beam interactions.

Each candidate will submit a thesis based upon his research work. Recommendations for the various levels of honors will be made by the Department on the basis of the thesis work, the comprehensive examination, and course performance.

*Distribution Sequences.* Distribution sequences may be satisfied in chemistry in the following ways:

Two-course sequence

a) Any two courses in chemistry

b) Chemistry 11 or 31 and Biology 21 or Physics 13 or a physics course for which Physics 13 is prerequisite

Three-course sequence

a) Any three courses in chemistry

b) Chemistry 11 and 31 or 32 and Biology 21 or Physics 13 or a physics course for which Physics 13 is prerequisite

Unless otherwise specified, all courses are open to freshmen.

**11. Introductory Chemistry.** Beginning with a discussion of the origin and formation of the elements, this course will study the structure of atoms, the formation of molecules, the nature of interatomic and intermolecular forces, the nature of chemical reactions in terms of rate and position of equilibrium, and the chemical basis of biological processes. Three class hours and three hours of laboratory per week.

Elective for Freshmen. First semester. Professors Sargent, Snellgrove, Offenhartz and Whitney.

**11s. Introductory Chemistry.** Same description as Chemistry 11.

Elective for Freshmen. Second semester. Professors Sargent and Offenhartz.

**31. Elementary Chemical Thermodynamics.** A systematic treatment of the laws of thermodynamics with emphasis upon their usefulness in describing chemical systems at equilibrium. There will be some discussion of the relationship between the laws of thermodynamics and the molecular basis of matter. Included will be a discussion of elementary statistical thermodynamics and the relationship between kinetics and thermodynamics. Laboratory work will illustrate the principles discussed in class as well as provide the student with experience in quantitative technique. Chemistry 11 and 31 constitute a full-year program providing a general introduction to chemistry. Three hours lecture, one hour of recitation and four hours of laboratory per week.

Requisite: Physics 13 or the equivalent; Chemistry 11 (this requirement may be waived for exceptionally well prepared students. Consent of the instructor is required.) Mathematics 11 or its equivalent. Elective for Freshmen with the consent of the instructor. First semester. Professors Snellgrove and Kittelberger.

**31s. Elementary Chemical Thermodynamics.** Same description as Chemistry 31.

Elective for Freshmen. Second semester. Professors Snellgrove, Kittelberger and Whitney.

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**32. Inorganic Chemistry.** The nature of electrolytic solutions, including equilibria, electrochemical cells, acid-base theories, solvent interactions, and kinetics, and the periodic law in terms of the chemical and physical properties behind it and the unifying concepts derived from it. Various theories of bonding and structure will be compared. The chemistry of several representative elements will be discussed in some detail. Three hours lecture, one hour recitation, and four hours laboratory per week.

Requisite: Chemistry 11 or Chemistry 31. Second semester. Professor Snellgrove.

**43. Organic Chemistry.** Structure, properties, and reactions of organic chemical compounds. Special emphasis is placed upon the effect of structure on reactivity. Topics include spectral properties, conformational analysis, reaction mechanisms, modern synthetic methods, and biochemical applications. Laboratory work emphasizes methods of separation and purification, instrumental analysis, multistep syntheses, kinetic determinations, and organic qualitative analysis. Three to four hours of lecture and discussion and four hours of laboratory per week.

Requisite: Chemistry 31 or 31s. First semester. Professors Sargent and Silver.

**44. Organic Chemistry.** A continuation of Chemistry 43.

Requisite: Chemistry 43. Second semester. Professors Sargent and Silver.

**47. Modern Physical Chemistry.** Elementary quantum mechanics and statistical thermodynamics of atomic and molecular systems, modern chemical kinetics. Topics include wave properties of matter, atomic structure, molecules and the chemical bond, mechanics of atoms and molecules in crystals, gases and solutions giving rise to the observed phenomena of thermodynamics, kinetic theory of gases, and chemical reaction rate theory. The laboratory includes the quantitative study of the spectra of atoms and molecules, of electrical and magnetic properties of inorganic and organic compounds, and of the kinetics of chemical reactions. Three hours of lecture and discussion, four hours of laboratory per week.

Requisite: Chemistry 31, Physics 14, and Mathematics 12. First semester. Professors Offenhartz and Kittelberger.

**48. Modern Physical Chemistry.** A continuation of Chemistry 47.

Requisite: Chemistry 47. Second semester. Professors Offenhartz and Kittelberger.

**61s. Structure and Mechanism.** By focusing on a limited number of current concepts, the student will examine in depth fundamental problems of structure and reactivity common to inorganic, organic, physical and biological chemistry. Laboratory work will emphasize the role of modern instrumental techniques in the elucidation of structure and reaction mechanism. Two lecture periods per week plus laboratory.

Requisite: Chemistry 47. Elective for Seniors with consent of the instructor. Second semester. Professor Kittelberger.

**77, D77. Honors Course.**

Elective for Senior honors candidates, and for others with the consent of the Department. First semester. The Department.

**78, D78. Honors Course.**

Elective for Senior honors candidates, and for others with the consent of the Department. Second semester. The Department.

**97, H97. Special Topics.** A full or half course.

First semester. Consent of the Department is required. The Department.

**98, H98. Special Topics.** A full or half course.

Second semester. Consent of the Department is required. The Department.

## CLASSICS

Professor J. Moore; Associate Professor Marshall (Chairman); Assistant Professors Simpson and Lebeck.

*Major Program.* All courses offered by the Department may be counted toward the major except those numbered 1, 1s, and 3; but of Greek 11 or 12 only one may be counted, and only then if both have been elected. Latin 15–16 will normally be introductory to higher courses in Latin, and Greek 15–16 will serve the same function in Greek. A major may be entirely in Greek or entirely in Latin and will then consist of eight semester courses, two of which may be in related fields. A major in Classics will consist of eight semester courses in the Classics, which may be divided in any proportion between Greek and Latin, except that not less than two may be taken in either language. Every *rite* student majoring in the Classics Department, whether in Classics, Greek, or Latin, will write a comprehensive examination in the spring of his senior year. This examination will in general resemble the honors examination described below, except that of course there will be no questions specifically on the candidate's honors work.

*Honors Program.* Honors may be awarded to those candidates who major in Greek or in Latin or in Classics and who take eight semester courses in the Department. Every honors candidate must include in his program those courses numbered 41, 42, 77 and 78 in either Greek or Latin. He must submit a long essay (6000–7000 words) on some topic connected with his honors work and approved by the Department. He must have read extensively in Greek or Latin literature or both. He must also read independently, i.e., not as a part of the work in a course, approximately 50 pages of some Greek or Latin text selected with the approval of the Department. In the second semester of his senior year he will be given a written examination covering: (a)

his honors work; (b) his reading in the classical literatures. The emphasis in this examination will be on the literary and historical interpretation of major authors; there will be considerable latitude of choice among various optional questions. The award of honors will be determined by the quality of the candidate's course work, of his essay, and of his performance in the general examination.

The Department will cooperate with other departments in giving combined majors with honors.

*Distribution Sequences.* The following courses may be offered in satisfaction of the distribution requirement: Latin 15, 16, 28, 41, 42; Greek 12 if Greek 11 has also been elected, and *vice versa*; Greek 15, 16, 41, 42; Classics 23, 24. But members of the class of 1969 who elected Latin 5 or 6 or Greek 3, 4, 5, or 6 as freshmen may not count these courses in satisfaction of the requirement.

The statement of requisites given below is intended only to indicate the degree of preparation necessary for each course, and exceptions will be made in special cases.

For students beginning the study of Greek the following sequences of courses are normal: Either 1, 12, 11, or 1s, 11, 12.

## Greek

**1. Introduction to the Greek Language.** Attic Greek. Four hours of classroom work per week. This course is normally followed by Greek 12.

Elective for Freshmen. First semester. Professor Lebeck.

**1s. Introduction to the Greek Language.** Homeric Greek. Four hours of classroom work per week. This course is normally followed by Greek 11.

Elective for Freshmen with the consent of the instructor. Second semester. Professor Simpson.

**11. The Iliad.** Four hours of classroom work per week.

Requisite: Greek 1s or 12. Elective for Freshmen. First semester. Professor Lebeck.

**12. Plato's Apology.** Four hours of classroom work per week.

Requisite: Greek 1 or 11. Elective for Freshmen. Second semester. Professor Moore.

**15. Greek Tragedy.** One or two tragedies will be read. Three one-hour class meetings per week.

Requisite: Greek 12 or its equivalent. Elective for Freshmen. First semester. Professor Lebeck.

**16. Readings from the Odyssey and from the Lyric Poets.** Three one-hour class meetings per week.



Requisite: Greek 15 or its equivalent. Elective for Freshmen. Second semester. Professor Simpson.

**H21s. Greek Prose Composition and Style.** This course is designed to strengthen and refine the student's mastery of the Greek language. There will be two principal types of exercise, *viz.*: (a) translation of English passages into Greek and original composition in Greek; and (b) close scrutiny of selected passages of classic Greek prose. One hour of classroom work per week. A half course.

Elective for Sophomores. Second semester. Professor Lebeck.

**41, 42. Advanced Readings in Greek Literature.** The authors read in these courses vary from year to year, the selection being made according to the interests and needs of the students. Examples: Plato's *Republic*; lyric poetry, including Pindar and Bacchylides; Demosthenes and Thucydides; Aeschylus' *Oresteia*; the writers of the Archaic Period. Two hours of classroom work per week.

Prerequisite: Greek 15 or 16. Seminar course elective for Juniors. First and second semesters. Professors Simpson and Lebeck.

**77, D78. Senior Honors Course.** Greek 78 is a double course.

First and second semesters.

**97, 98. Special Topics.**

First and second semesters. Members of the Department.

## Latin

**3. Intermediate Course.** Review of Latin grammar; selections from Latin prose and poetry. Four one-hour class meetings per week.

Requisite: Latin 1s, or two or three entrance units in Latin. Elective for Freshmen. First semester. Professor Simpson.

**15. Cicero's Pro Caelio; Selections from Catullus.** Attention will be given to Cicero and Catullus as literary artists and as interpreters of the society of the late Republic. Three one-hour class meetings per week.

Elective for Freshmen. First semester. Professor Marshall.

**16. Virgil's Eclogues and Horace's Odes.** Three one-hour class meetings per week.

Requisite: Latin 15, or four entrance units in Latin. Elective for Freshmen. Second semester. Professor Lebeck.

**H21s. Latin Prose Composition and Style.** A course designed to strengthen and refine the student's mastery of the Latin language. There will be two principal types of exercise, *viz.*: (a) translation of English passages into Latin

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and composition in Latin; and (b) close scrutiny of selected passages of classic Latin prose. One hour of classroom work per week. A half course.

Elective for Sophomores. Second semester. Omitted 1968-69.

**H27. Latin Poetry: Lyric and Pastoral.** Intended for students of literature who wish to acquire some knowledge of the influence of Latin poetry on the English literary tradition. Poems of Catullus, Horace, and Virgil will be read and interpreted from a literary point of view, and attention will be paid to similar poems in English. Students must have some knowledge of Latin and some familiarity with poetry. Two hours of classroom work per week. A half course.

Elective for Sophomores with the consent of the instructor. Limited to fifteen students. First semester. Professors Moore and Marshall.

**28. Virgil's Aeneid.** At least three books will be read in Latin, and the whole work will be examined in translation. Three hours of classroom work per week, with one additional hour for students needing more help in the language.

Requisite: Latin 3 or the consent of the instructor. Elective for Freshmen. Second semester. Professor Simpson.

**41, 42. Advanced Readings in Latin Literature.** The authors read in these courses vary from year to year, the selection being made according to the interests and needs of the students. Examples: Livy and Tacitus; Roman Satire; Roman Comedy; Propertius and Tibullus; Cicero's philosophical works. Two hours of classroom work per week. Seminar course.

Requisite: Latin 15 or 16 or the consent of the instructor. Elective for Juniors. First and second semesters. Professor Marshall.

**77, D78. Senior Honors Course.** Latin 78 is a double course.

First and second semesters.

**97, 98. Special Topics.**

First and second semesters. The Department.

## Classics

**23. Classical Civilization.** A study of the civilization of Greece from Homer to Alexander and its contribution to the civilization of the West. Readings from Greek literature will be included among the materials of the course. No knowledge of the ancient languages is required. Three hours of classroom work per week.

Elective for Sophomores. First semester. Professor Moore.

**24. Classical Civilization.** A study of Roman civilization and its contribution to the civilization of the West. Readings from Latin literature will be

included among the materials of the course. No knowledge of the ancient languages is required. Three hours of classroom work per week.

Elective for Sophomores. Second semester. Professor Marshall.

**25s. Readings in Ancient and Modern Literature.** The readings are chosen to illustrate some of the major resources of the literary imagination and something of the variety of human concerns which writers have entrusted to books. In 1969 works by Sophocles, Aristophanes, Plato, Shakespeare, Molière, Fielding, Keats, Lawrence, Mann and Pasternak will be read. One lecture and one two-hour seminar meeting weekly.

Elective for Juniors. Limited to thirty students. Second semester. Professor J. Moore.

## DRAMATIC ARTS

Professors Boughton (Chairman), McGoun\* and Rogers; Assistant Professor Bierman.

*Major Program.* Rite majors must complete Dramatic Arts 11, 21, 22, 31, 32, 51, 52 and must either repeat 51 or 52 or elect one of the following courses: English 31, 32, 70, 72; Fine Arts 11, 15; French 27, 28, 35; German H34; Spanish 45; Theatre 311a, 342a, 342b (Smith).

*Honors Program.* Honors candidates majoring in Dramatic Arts must complete Dramatic Arts 11, 21, 22, 31, 32, 77, 78 and either 51 or 52. Honors projects may be developed in consultation with members of the Department.

*Distribution Sequences.* The two-course sequence will be Dramatic Arts 11 (or 11s) and either Dramatic Arts 21 or 22. The three-course sequence will be Dramatic Arts 11 (or 11s) and either Dramatic Arts 21-22 or Dramatic Arts 31-32.

**11. Introduction to the Theater.** A consideration of the materials of creative expression in drama; an appreciation of the playwright's work and how his script is brought to fruition in production. Four hours of classroom work per week.

Elective for Freshmen. First semester. The Department.

**11s. Introduction to the Theater.** Same as Dramatic Arts 11.

Elective for Freshmen. Second semester. Omitted 1968-69. The Department.

**21. Backgrounds of the Modern Drama.** The origins and development of the drama from the Greeks to the 19th century. Three hours of classroom work per week.

\*On leave second semester, 1968-69.

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Requisite: Dramatic Arts 11 or 11s. Elective for Sophomores. First semester. Professor Bierman.

**22. Modern Drama.** Nineteenth century to the present. Three hours of classroom work per week.

Requisite: Dramatic Arts 11 or 11s. Elective for Freshmen. Second semester. Professor Bierman.

**31. Principles of Dramatic Production.** A study of directing, acting, scene design and stage lighting considered as instruments of dramatic interpretation. Four hours of classroom work per week.

Requisite: Dramatic Arts 11 or 11s. Elective for Sophomores. First semester. Professors Boughton, McGoun and Rogers.

**32. Principles of Dramatic Production.** Continuation of Dramatic Arts 31. Four hours of classroom work per week.

Requisite: Dramatic Arts 31. Elective for Sophomores. Second semester. Professors Boughton and Rogers.

**51. Advanced Study.** Advanced work in one of the following fields of dramatic arts: directing, scene design, stage lighting, dramatic literature. Classroom meetings, reports and conferences, projects.

Elective for students who have completed a three-course sequence in dramatic arts. This course, and/or Dramatic Arts 52 may be repeated with the consent of the Department. First semester. The Department.

**52. Advanced Study.** Continuation of Dramatic Arts 51.

Elective for students who have completed a three-course sequence in dramatic arts. Second semester. The Department.

**77. Conference Course.** Conference course for students majoring in dramatic arts. Selected topics of study.

Required of candidates for honors. Elective for Seniors with the consent of the Department. First semester. The Department.

**78. Conference Course.** Continuation of Dramatic Arts 77.

Required of candidates for honors. Elective for Seniors with the consent of the Department. Second semester. The Department.

## ECONOMICS

Professors Aitken (Chairman), Collery, Nelson and Warne; Associate Professors Beals, Köhler and Mead; Assistant Professors Chalmers, Monsma and Nicholson.

*Major Program.* All students majoring in economics must take Economics 11, 13, 14, 45 (or other preparation in statistics with the consent of the De-

partment), and Mathematics 11 and 12. In addition, *rite* students must take Economics 73, 74, and at least one other course in economics, while honor students must take Economics 77, 78, and at least one other course in economics. (These requirements apply to the Class of 1971 and subsequent classes. Classes of 1969 and 1970 may substitute Economics 24, *The American Economy*, for Economics 14, *The Theory of Price*.)

Students majoring in economics may elect Problems of Inquiry 2.

Each candidate for a degree in economics will have to pass a comprehensive examination in his senior year. The examination will be given at the end of the first semester. The student will also be examined in May on the content of his thesis.

*Distribution Sequences.* A two-course distribution sequence in economics will consist of Economics 11 and any other course in economics. A three-course distribution sequence will consist of Economics 11 plus two other courses in economics.

Unless otherwise specified, all courses are open to freshmen.

**11. An Introduction to Economics.** A study of the central functions and problems of an economic system, of the principles and practices of our economy, and of other forms of economic organization and control. One lecture and three hours of discussion each week.

Requisite for all other courses in economics. First semester. Professor Köhler (Course Chairman).

**11s. An Introduction to Economics.** Same description as above.

Second semester. Professor Köhler (Course Chairman).

**13. Money, Banking, and National Income.** A study of money and finance and their relation to the functioning of an economic system. An introduction to the theory of income determination with an indication of the role that money and finance play in the determination of employment, production, and prices. Two lectures and two hours of discussion each week.

Requisites: Economics 11 and Mathematics 11 or equivalent. First semester. Professor Coltery.

**14. The Theory of Price.** An introduction to the theory of utility and demand; the nature of cost and the production function; diminishing returns and short-run cost curves; returns to scale and long-run cost curves; competitive pricing; the pricing of productive services; the theory of monopoly; the theory of oligopoly; cartels and unions; the distribution of income; general equilibrium. Three meetings per week. Formerly Economics 42.

Requisites: Economics 11 and Mathematics 11 or equivalent. Second semester. Professor Nicholson.

**21. Labor Economics.** A survey of the position of labor in our modern econ-



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omy and of the development and status of labor legislation and social security measures. One two-hour seminar each week.

Requisite: Economics 11. First semester. Professor Warne.

**24. The American Economy.** An examination of the structure and operation of the economic system of the United States, with particular emphasis upon the different types of markets and industrial structures, the role and behavior of the price mechanism, the evolution of public policies, and selected current economic issues. Two lectures and two hours of discussion each week. Formerly Economics 12.

Requisite: Economics 11. Second semester. Professor Nelson.

**25. Monopoly Regulation.** The theory of monopoly pricing and of price discrimination; objectives and methods of public control of prices, profits, and service by public utilities and transportation agencies. Three hours of classroom work per week. Formerly Economics 33.

Requisite: Economics 11. First semester. Professor Nelson.

**26. Consumer Economics.** A historical study of the consumer in economic theory and practice. One two-hour seminar each week.

Requisite: Economics 11. Second semester. Professor Warne.

**27. European Economic History.** An examination of the economic development of Europe from feudal times to the present day with emphasis on the evolution of industrialism. Three hours of classroom work per week.

Requisite: Economics 11. First semester. Professor Aitken.

**28. American Economic History.** A study of the economic development of the United States from colonial times to the present day. Three hours of classroom work per week.

Requisite: Economics 11. Second semester. Professor Aitken.

**31. Public Finance.** A study of taxing, spending and debt policies of government units with emphasis on the implications of these policies for income distribution and the allocation of resources. Three class hours per week.

Requisite: Economics 11. First semester. Professor Monsma.

**32. Comparative Economic History.** Comparative analysis of the historical development of a number of national economies, with particular reference to changes in economic structure and productivity. One two-hour seminar each week.

Requisites: Economics 11 and either Economics 27 or 28. Limited to 15 students. Second semester. Professor Aitken.

**34. Stabilization Policy.** A study of macroeconomics in the context of the United States' economy. The approach will take advantage of the student's introduction to the theory of income determination obtained in Economics 13

to construct a model which approximates many of the important behavioral and institutional characteristics of our economy. This model will then be used as an instrument for the analysis of both fiscal and monetary policy. Two lectures and two hours of discussion per week.

Requisite: Economics 13. Second semester. Professor Chalmers.

**35. International Trade and Payments.** A study of the economic relationships among countries with special emphasis on theoretical analysis: the balance of payments and the foreign exchange market including price and income effects in the balance of payments adjustment process; the theory of international trade; policy problems of trade restrictions, external vs. internal balance and international monetary cooperation. Three class hours per week.

Requisites: Economics 13, or Economics 11 and consent of the instructor. First semester. Professor Mead.

**36. Economic Development.** An examination into the problems of economic growth with particular reference to less developed countries; the interaction of economic and noneconomic factors, population growth and the labor force, capital requirements, market development, foreign investment and aid, and the role of government. Case materials from selected Asian, African, and Latin American countries will be used. Three class hours per week.

Requisite: Economics 11. Second semester. Professor Mead.

**38. The Economics of Socialism.** A study of the theory and practice of planned economies with particular reference to the Soviet Union. Three class hours per week.

Requisite: Economics 11. Second semester. Professor Köhler.

**45. Economic Statistics.** A study of the analysis of quantitative data, with special emphasis on the application of statistical methods to economic problems. Three class hours per week.

Requisites: Economics 11 and Mathematics 11 and 12. First semester. Professor Beals.

**46. Introduction to Mathematical Economics and Econometrics.** An introduction to some areas of mathematical economics, and to problems of econometric model construction and estimation. Emphasis is placed on the economic content of the methods. Three class hours per week.

Requisite: Economics 45. Second semester. Professor Nicholson.

**73. Senior Rite Seminar.** Required of senior *rite* majors in economics. First semester.

**D74. Senior Rite Seminar.** Preparation of a thesis on a topic approved by the Department. A double course.

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Required of all seniors majoring in economics who are not candidates for Honors. Second semester.

### **77. Senior Honors Seminar.**

Required of all seniors majoring in economics who are candidates for Honors. First semester.

**D78. Senior Honors Seminar.** Preparation of a thesis on a topic approved by the Department. A double course.

Required of all seniors majoring in economics who are candidates for Honors. Second semester.

**97, H97. Special Topics.** Independent Reading Course. A full course or a half course. First semester.

**98, H98. Special Topics.** Independent Reading Course. A full course or a half course. Second semester.

## ENGLISH

Professors Baird, Cody, DeMott\*, Marx (Chairman), McKeon and Visiting Professors Kirkup and Welland; Associate Professors Cameron\*, Guttman\*, Heath, Pritchard\* and Townsend; Assistant Professors Chickering and Sofield; Messrs. Peterson and Zemelman.

*Major Program.* The student majoring in English must elect English 11, English 12, and eight other semester courses (exclusive of advanced composition and creative writing courses) offered or approved by the English Department. He must also pass a comprehensive examination in English that is given in January of the senior year. He should plan his program carefully in consultation with his departmental advisor, taking into account both his own particular interests and needs and the comprehensive examination requirements.

The comprehensive examination in English will be six hours long and consist of two parts: (1) Questions on the literature of each of four periods, English literature before 1616, English literature from 1616–1832, English literature from 1832 to the present, and American literature; (2) Questions testing the student's ability to date and to characterize with respect to their periods a number of passages in both verse and prose.

In one way the comprehensive examination will be factual, objective, informational. Its purpose is to promote those regular habits of study through which the student of literature as a matter of course acquaints himself with authors' names and dates, exact titles and dates of major works, the common

\*On leave 1968–69.

varieties of verse, major literary forms, and other such matters of fact. In another way the examination will test the student's awareness of the historical development of English and American literature. A reading list is available as an aid to students preparing for the comprehensive examination.

The examination as a whole will ascertain whether students of American and English literature know, in the simplest and most obvious terms, where they have been and what they have been reading in their preceding semesters of study.

*Honors Program.* Exactly as above, except that candidates for honors must also elect, in their senior year, English 77-78.

*Distribution Sequences.* The student may satisfy the requirement for a two-course sequence by electing English 11 and English 12, or by electing English 11 or English 12 together with any other course in the Department (except Advanced Composition and Creative Writing). Any third course in the department (except Advanced Composition and Creative Writing) may be used to create a three-course sequence. Other sequences may be proposed but require the approval of a member of the Department.

N.B. The English Department does not grant advanced placement on the basis of College Entrance Examination Board scores. The character of the departmental offering is not such as to make advanced placement a meaningful idea. English 11 and 12 are conceived as courses of interest to students at any level of preparation in the study of literature.

**11. Writing.** An introduction to the literary discipline through a study of composition. Three hours of classroom work per week.

Elective for Freshmen. First semester. Professor Baird (Chairman), and members of the Department.

**12. Reading.** The aim of the course is to increase consciousness of the foundations of individual taste. Papers are frequent; materials for assessment are drawn from various media at various cultural levels. Three hours of classroom work per week.

Elective for Freshmen. Second semester. Professor Craig (Chairman), and members of the Department.

**21. Advanced Composition.** A course in disciplined writing, both verse and prose. Students are expected to work independently without specific assignments. Class discussions of manuscripts and frequent conferences with the instructor. One two-hour meeting per week.

Elective for Sophomores with the consent of the instructor. Limited to fifteen students. First semester. Professor Kirkup.

**22. Advanced Composition.** A continuation of English 21. One two-hour meeting per week.

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Elective for Sophomores with the consent of the instructor. Limited to fifteen students. Second semester. Professor Kirkup.

**H23. Creative Writing.** An advanced course in disciplined writing, both verse and prose. Students work independently without specific assignments. Fortnightly individual conferences with instructor. Continuation of English 21-22. A half course.

Requisite: English 21-22 and the consent of the instructor. Elective for Juniors. Limited to five students. First Semester. Omitted 1968-69.

**H24. Creative Writing.** Continuation of English 23. A half course.

Requisite: English 23 and the consent of the instructor. Elective for Juniors. Limited to five students. Second semester. Omitted 1968-69.

**Literature and Society in the Late Middle Ages.** (See description for Colloquium, page 101.) Three hours of classroom work per week.

Second semester. Professors Chickering and Cheyette.

**27. Readings in Medieval Literature.** Selected prose and poetry, usually English or in translation. The readings will vary from year to year. Examples: Middle English writers other than Chaucer; satire and lyric in the fifteenth century; Arthurian romances; Old English poetry and prose. Three hours of classroom work per week.

Elective for Sophomores. First semester. Professor Chickering. Omitted 1968-69.

**Latin Poetry: Lyric and Pastoral.** Same course as Latin H27. Intended for students of literature who wish to acquire some knowledge of the influence of Latin poetry on the English literary tradition. Students must have some knowledge of Latin and some familiarity with poetry. Two hours of classroom work per week. A half course.

Elective for Sophomores with the consent of the instructor. Limited to fifteen students. First semester. Professors Moore and Marshall.

**28f. Chaucer.** A study of Chaucer's major works in the original. Three hours of classroom work per week.

Elective for Sophomores (and Freshmen with the consent of the instructor). First semester. Professor Chickering.

**30. Readings in Renaissance Literature.** Selected English writings from More to Dryden studied in relation to European art and letters. One two-hour meeting per week.

Elective for Juniors. Seminar course limited to fifteen students, admission with the consent of the instructor. Second semester. Omitted 1968-69. Professor Cody.



**31. Shakespeare.** A reading of the plays in a chronological order. Emphasis on Shakespeare's development as dramatist and poet. Three hours of classroom work per week.

Requisite: a grade of B in a previous English course. Elective for Sophomores. First semester. Professor Baird.

**32. Shakespeare.** A continuation of English 31. Three hours of classroom work per week.

Requisite: English 31. Elective for Sophomores. Second semester. Professor Baird.

**33. Sixteenth Century Literature.** Poetry and doctrine; mythology and style; revenge tragedy; comedy; Wyatt, Spenser, Sidney, Raleigh, Kyd, Marlowe, Jonson; some Renaissance humanist writings in translation. Three hours of classroom work per week.

Elective for Sophomores (and Freshmen with permission of the instructor). First semester. Professor Cody.

**34. Seventeenth Century Literature.** The major authors of poetry, prose, and drama, including Donne, Jonson, Bacon, Webster, Herbert, Milton, Hobbes, and Marvell. Three hours of classroom work per week.

Elective for Sophomores (and Freshmen with permission of the instructor). Second semester. Professor Sofield.

**36. Literature and Society, 1660-1740.** A study of the prose, poetry and drama of the Restoration and earlier eighteenth century. Principal authors will include Dryden, Swift and Pope; attention will be paid to lesser figures. One two-hour seminar per week.

Elective for Sophomores (and Freshmen with permission of the instructor). Second semester. Professor Heath.

**41. Readings in Nineteenth Century Literature.** Readings of selected major authors in relation to some documents of intellectual and social history. The subject for 1966-67 was autobiography and the novel. One two-hour meeting per week.

Elective for Juniors. Limited to fifteen students. First semester. Professor Craig.

**43s. Readings in Romantic Poetry.** A study of selected major poets from Blake to Byron. Three hours of classroom work per week.

Elective for Sophomores (and Freshmen with the consent of the instructor). Second semester. Professor Townsend.

**45. Readings in Later Nineteenth Century Poetry.** A study of selected major poets of the Victorian period. Three hours per week.

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Elective for sophomores. First semester. To be offered *only* in 1968-69. Professor Welland.

**47. The Nineteenth Century English Novel.** A study of representative English novels, mainly of the nineteenth century. Emphasis is upon a critical reading of individual works but some attention is paid to historical and biographical contexts. The novels and novelists read vary from year to year. Three hours of classroom work per week.

Elective for Sophomores (or Freshmen with consent of the instructor). First semester. Professor Heath.

**50f. Readings in Twentieth Century Continental Fiction.** Novels by Kafka, Mann, Gide, Sartre, Camus and others are read in this course. Three hours of classroom work per week.

Elective for Sophomores. First semester. Omitted 1968-69. Professor DeMott.

**52. Modern and Contemporary Poetry.** Readings and discussion.

Elective for Sophomores. Second semester. Professor Kirkup.

**53. Modern Poetry.** A study of the poetry and relevant prosewritings of Hardy, Yeats, Pound, The Georgians and Imagists, D. H. Lawrence, Frost and early Eliot. Three hours of classroom work per week.

Elective for Sophomores. First semester. Omitted 1968-69. Professor Pritchard.

**54. Readings in Modern Fiction.** A study of some novels written in the twentieth century and a consideration of the novelist's position in modern society. Three hours of classroom work per week.

Elective for Sophomores. Second semester. Professor Craig.

**56. Literary History of the Great War 1914-1918.** The limits of literature studied in relation to the event of war: memoir, journalism, biography, history, fiction, poetry. Some reference to writings on other wars, e.g. Tolstoy, Orwell, Edmund Wilson. Two meetings per week.

Elective for Juniors with consent of the instructor. Second semester. Professor Cody.

**60f. Readings in American Literature.** An intensive study of one or more major American writers; the particular writers will vary from year to year. Prerequisite: at least two semester courses in American literature. In some instances a specific course may be required as an additional prerequisite. One two-hour meeting per week.

Seminar course limited to fifteen students, admission with consent of the instructor. Elective for Juniors. First semester. Professor Marx.

**61. American Literature I.** A survey of American literature from the seventeenth century to the early nineteenth century with emphasis on the interplay between the general culture and the work of major writers, including Taylor, Edwards, Franklin, Poe, Emerson, Thoreau, Whitman, and Hawthorne. Three hours of classroom work per week.

Elective for Sophomores. Students other than English or American Studies majors require permission of the instructor. First semester. Professor Marx.

**62. American Literature II.** A continuation of English 61 to the early twentieth century, including the work of Melville, Dickinson, Mark Twain, James, Crane, and Dreiser. Three hours of classroom work per week.

Prerequisite: English 61. Elective for Sophomores. Second semester. Professor Marx.

**63. American Literature III.** A continuation of English 62 to the present, including the work of Frost, Eliot, Fitzgerald, O'Neill, Hemingway, Stevens, and Faulkner. Three hours of classroom work per week.

Prerequisite: English 62. Elective for Sophomores. First semester. Professor Welland.

**70. Tragedy.** Plays by Sophocles, Shakespeare, Ibsen, Hofmannsthal, Camus, Sartre, Giraudoux, and Anouilh are read in this course. Three class meetings a week.

Elective for Sophomores (and Freshmen with the consent of the instructor). Second semester. Omitted 1968-69. Professor DeMott.

**72. Comedy.** Plays by Shakespeare, Molière, Congreve, Chekhov, Ibsen, Shaw, Sartre, Ionesco, and Beckett are read in this course. Three hours of classroom work per week.

Elective for Sophomores (and Freshmen with the consent of the instructor). Second semester. Omitted 1968-69. Professor DeMott.

**74. Topics in the Novel.** The topics will vary from year to year. In 1966-67 the topic was: the fiction of Fielding, Dickens, and Joyce. Two meetings of one and one half hours each per week.

Elective for Juniors. Limited to twenty-five students. Second semester. Omitted 1968-69. Professor Cameron.

**76f. An Introduction to Literary Studies.** A study of the characteristics of literary knowledge as illustrated in the theory and practice of selected major critics and scholars. One two-hour meeting per week.

Elective for Juniors. Others require permission of the instructor. Limited to 15 students. First semester. Professor Townsend.

**77. Senior Tutorial.** Weekly meetings with a tutor assigned by the Department. Open to senior English majors whose college average is 80 or above. First semester. The Department.

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**D78. Honors Tutorial.** Weekly meetings with a tutor assigned by the Department.

Prerequisite: English 77. Second semester. The Department.

**97. Special Topics.** Independent Reading Course.

First semester.

**98. Special Topics.** Independent Reading Course.

Second semester.

## FINE ARTS

Professors C. Morgan (Emeritus), Rogers and Trapp (Chairman); Associate Professor Schmalz; Assistant Professors Maddox and Westfall.

*Major Program.* A major in fine arts consists of eight full courses in fine arts, one of which must be taken in studio work (see below), and a comprehensive examination. Additional work in studio beyond the 15 level may also count towards fulfillment of the majors requirements. A *rite* major may by departmental permission elect a 77-78 program of individual work as a senior.

*Honors Program.* Honors in fine arts shall consist of eight full courses in fine arts, one of which must be taken in studio work (see below), plus Fine Arts 77-78, and a comprehensive examination. Normally, as a minimum, either Fine Arts 47 or Fine Arts 48 will be included in the student's elections within the Department. Note: A certain amount of work at the neighboring institutions is acceptable, at the discretion of the Department, for fulfillment of the major program.

*Distribution Sequences.*

a. Two-course sequences: Fine Arts 11 or 11s plus one other course in art history; Fine Arts 15 plus one other course in studio.

b. Three-course sequences: Fine Arts 11 or 11s plus two other courses in art history; Fine Arts 15 plus two other courses in studio, one of which would normally be 23, 27, or 29.

**11. Introduction to the History of Art.** The development of the major arts from the earliest time to the present day, with a special emphasis on the manner in which they reflect the successive civilizations that produced them. Three hours per week.

Elective for Freshmen. First semester. Professor Trapp.

**11s. Introduction to the History of Art.** Same description as Fine Arts 11. Three hours per week.

Elective for Freshmen. Second semester. Professor Schmalz.

**15. Introductory Studio.** A series of studio projects to introduce fundamental problems of description, organization, and artistic expression. These projects will relate to selected topics in art history, with the aim of correlating creative experience with history and criticism. Various drawing mediums and painting techniques will be introduced. Two two-hour class periods per week, plus outside assignments. No prior studio experience is required or special talent expected.

Elective for Freshmen. First semester. Professor Maddox.

**15s. Introductory Studio.** A series of student projects to introduce problems of description, organization and artistic expression. Design and line and form drawing in various mediums. Two two-hour class periods per week, plus outside assignments. No prior studio experience is required or special talent expected.

Elective for Freshmen. Second semester. Limited to 50 students. Professor Rogers.

**H17s. Elementary Technique and Design.** Design, composition and line and form drawing in a variety of mediums. One three-hour period per week. No previous training required. A half course.

Elective for Freshmen. Second semester. Omitted 1968-69. Professor Rogers.

**22. Basic Design.** A series of problems in design to introduce the ideas of color, form, structure, texture and line, and their creative uses. In order to understand the fundamental need for man to design and decorate, emphasis will be placed on the occurrence of those qualities in all human artifacts. The work will be in both two and three dimensions and a variety of materials will be used. Two two-hour class periods per week.

Elective for Sophomores and Freshmen. Limited to 30 students. Second semester. Professor Maddox.

**23. Advanced Drawing.** Problems in drawing designed to extend and develop the student's knowledge and skill in the techniques and uses of drawing. Both descriptive and expressive approaches will be used in leading toward a personal method and style in drawing. Correlations between class-work and master drawings will be shown to give the student a sense of his relation to tradition. Two two-hour class periods per week. This course may be repeated.

Requisite: Fine Arts 15, H17, or permission of the instructor. Elective for Sophomores. First semester. Professor Maddox.

**26f. Watercolor.** Elementary color theory and technique of water-color painting. One lecture and two two-hour studio periods per week.

Requisite: Fine Arts 15 or H17. First semester. Professor Rogers.



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**27s. Advanced Watercolor.** Extension of basic watercolor technique through exploration of the implications of subject matter and the expressive possibilities of combining media. Two three-hour studio periods per week.

Requisite: Fine Arts 15 or H17 and 26f. Elective for Sophomores. Second semester. Omitted 1968-69. Professor Schmalz.

**28. Oil Painting.** A series of studio projects exploring a variety of techniques and forms of expression in oil painting. Relationship with master works will be considered where relevant, but the emphasis will increasingly stress the development of the student's individual powers of observation and interpretation. Two two-hour studio periods per week.

Requisite: Fine Arts 15 or H17. Elective for Sophomores or Freshmen with the consent of the instructor. Second semester. Limited to 25 students. Professor Maddox.

**30. Ancient Arts.** A comparative study of the emergence, development and diffusion of artistic styles in the East and the West from pre-historic times to the early Christian era. Three hours of classroom work per week.

Requisite: Fine Arts 11 or 11s, or permission of the instructor. Elective for Sophomores. Second semester. Professor Schmalz.

**33s. Renaissance Art.** A selective examination of the form and content of European art from the early 15th to the end of the 16th centuries, with emphasis upon the major artists of Italy. Three hours of classroom work per week.

Requisite: Fine Arts 11 or 11s, or permission of the instructor. Elective for Sophomores. Second semester. Professor Westfall.

**34f. Baroque and Rococo Art.** A study of major figures and movements in European art of the 17th and 18th centuries, including such masters as Rubens, Bernini, Rembrandt and Goya. Three hours of classroom work per week.

Requisite: Fine Arts 11 or 11s or permission of the instructor. Elective for Sophomores. First semester. Professor Schmalz.

**H36. Michelangelo and Rodin.** A study of the artists, their works and their backgrounds. Two lectures a week and reading. A half course.

Elective for Sophomores. Second semester. Omitted 1968-69.

**37. The Origins of the Modern Movement.** A selective examination of major figures and movements in the development of European painting from Neo-Classicism to Impressionism, with emphasis on problems in criticism. Three hours per week. Outside reading and written assignments.

Requisite: Fine Arts 11 or 11s, or permission of the instructor. Elective for Sophomores. First semester. Professor Trapp.

**38. American Art.** American architecture, sculpture and painting in America from the 17th century to the present day. Three hours of classroom work per week.

Elective for Sophomores. Second semester. Professor C. Morgan.

**39s. Modern Art.** A selective examination of major figures and movements in the development of modern art from Post-Impressionism to the present, with emphasis upon problems in criticism. Three hours of classroom work per week.

Requisite: Fine Arts 11 or 11s or permission of the instructor. Elective for Sophomores. Second semester. Professor Trapp.

**40. History of the City.** An investigation of the development and historical importance of cities, especially from the Renaissance to the present day. The analytical technique and literature of art history will be used. Emphasis will be placed upon the forms of city plans and of urban architecture in their relationship to cultural, historical, and environmental factors. Three hours of classroom work per week.

Requisite: Fine Arts 11 or 11s; or History 11 or 11s and permission of the instructor. Second semester. Omitted 1968–69. Professor Westfall.

**47. Problems in Criticism and Connoisseurship.** A study of original works of art, chiefly from the college collections, intended to sharpen visual perception, establish critical principles and clarify verbal judgments. Emphasis will be placed on modern examples. Three hours of classroom work per week. With permission of the instructor, this course may be repeated.

Requisite: Fine Arts 11 or 11s plus one other course in art history, or permission of the instructor. Elective for Juniors. First semester. Professor Westfall.

**48. Topics in Art History.** A critical examination of a variety of historical literature dealing with painting, sculpture and architecture. The chief aim of the course is to provide a deeper understanding of the methods, purpose and meaning of art history. Three hours of classroom work per week.

Requisite: Fine Arts 11 or 11s plus one other course in art history, or permission of the instructor. Elective for Juniors. Second semester. Professor Westfall.

**77, D77; 78, D78. Conference Course.** Senior Honors. Preparation of an honors thesis or completion of a studio project.

The student shall with the consent of the Department elect to carry one semester of his honors work as a double course weighted in accordance with the demands of his particular project. Elective for Seniors with the consent of the Department. First and second semesters.

**97, H97, 98, H98. Special Studies for Student Majoring in Fine Arts.**

Full or half course. First and second semesters. The Department.

## FRENCH

Professors Carre (Chairman), French, Giordanetti and Turgeon; Assistant Professors Jung and Ryerson; and assistants.

*Major Program.* All *rite* majors must elect the equivalent of eight full courses including French 11 and 12, 7 or 14, 27 or 28. A maximum of four half courses can be included for credit in the elections. (Advanced placement may be accepted as a substitute for French 11 and/or 12 and will be allowed one full course credit toward the major. French 1 and 3 will not count toward the major for *rite* candidates).

*Honors Program.* All honors candidates must elect French 11 or 12 (Advanced Placement will be accepted as an equivalent), 14, 25, 27, 28, 30, 77, 78 and one additional full course or two half courses. In certain cases of demonstrated proficiency French 14 may be waived. French 1, 3, 5 will not count toward the major for honors candidates. This course program may, in exceptional cases, be adjusted. The comprehensive examination, required of all majors, is given in the spring of the senior year. In addition, candidates for departmental honors must present a thesis and sustain an oral examination on the thesis. A reading list will be furnished to aid in preparation for the examination.

Course programs for a joint major in French and Spanish, or French and Italian are arranged in consultation with the instructors in those languages.

*Distribution Sequences.* The following courses are recommended for distribution sequences in French: 11, 12; 12, 13; 12, 15; 27, 28; 11, 28; 11, 30; 13, 36; 15, 36; 15s, 35. French 14 may also be included with another (literature) course to satisfy the sequence requirement. Three-course distribution sequences may be arranged in consultation with the Department.

**1. Elementary Course.** Grammar, pronunciation, oral practice. Three hours per week for explanation and demonstration, four hours per week in small sections and laboratory for oral practice.

Elective for Freshmen. First semester. Professor Turgeon and assistants.

**3. Intermediate Course.** Review of grammar and pronunciation; oral practice. Reading and analysis of selected texts. Three hours per week for explanation and demonstration, three hours per week in small sections and laboratory for drill in aural comprehension of the language.

Elective for Freshmen. First semester. Professor Jung and assistants.

**3s. Intermediate Course.** Same description as above.

Elective for Freshmen. Second semester. Professor Turgeon.

**5. Advanced Course.** The purpose of this course is to complete the student's training in fluent reading and in aural comprehension, and to work toward a

control of the fundamentals of oral and written expression. Reading of significant fiction, plays, and essays from the modern period. Three hours per week in class and three hours per week in small sections and laboratory for oral and aural drill. Conducted in French.

Elective for Freshmen. First semester. Professors Carre, Jung, and Ryerson, and assistants.

**5s. Advanced Course.** Same description as above.

Elective for Freshmen. Second semester. Professor Carre and Ryerson and assistants.

**7. Intermediate Composition and Conversation.** A review of French grammar with practice in set translation and free composition; oral reports on selected topics. Three hours per week of composition and two of oral practice. May not be elected after French 14.

Requisite: Satisfaction of the language requirement in French. Elective for Freshmen. First semester. Professor Giordanetti and assistants.

**11. Introduction to French Literature through the Seventeenth Century.** Reading and discussion of selected texts from *La Chanson de Roland* through the Age of Classicism. Conducted in French. Three hours of classroom work per week.

Requisite: Satisfaction of the language requirement in French. Elective for Freshmen. First semester. Professor Giordanetti.

**12. Introduction to French Literature since the Seventeenth Century.** Reading and discussion of selected texts. Concentration will be on the eighteenth and nineteenth centuries with, as time permits, some introductory materials from the twentieth century. Conducted in French. Three hours of classroom work per week.

Requisite: Satisfaction of the language requirement in French. Elective for Freshmen. Second semester. Professor Giordanetti.

**13. The Nineteenth Century Novel.** The reading will include at least one novel each by Constant, Balzac, Stendhal and Flaubert. Conducted in French. Three hours of classroom work per week.

Requisite: Satisfaction of the language requirement in French. Elective for Freshmen. First semester. Professor Carre.

**14. Studies in French Stylistics.** A study of French literary styles. Practice in free composition and in translation of examples of a variety of styles. Textual analyses and oral reports on related topics. Three hours per week in class and two in small sections. Conducted in French.

Requisite: Satisfaction of the language requirement in French. One literature course or its equivalent is recommended, though not required, before



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taking French 14. Elective for Freshmen. Second semester. Professor Jung and assistants.

**15. Introduction to Modern Literature.** An introduction to the study of modern French literature with emphasis on the twentieth century novel, short story, theater and poetry. Conducted in French. Three hours of classroom work per week.

Requisite: Satisfaction of the language requirement in French. Elective for Freshmen. First semester. Professor Ryerson.

**15s. Introduction to Modern Literature.** Same description as above.

Elective for Freshmen. Second semester. Professor Jung.

**22. French Literature of the Middle Ages.** A study of some major epic, lyric, and historical works of the Medieval period, with emphasis on Medieval attitudes towards history. Most of the readings will be in the original. Conducted in French. Three hours of classroom work per week.

Requisite: An introductory course in French literature. Elective for Sophomores or Freshmen with the consent of the instructor. Second semester. Omitted 1968-69.

**25. French Literature of the Renaissance.** Readings in Rabelais, Montaigne and the poets of the sixteenth century. Conducted in French. Three hours of classroom work per week.

Requisite: An introductory course in French literature. Elective for Sophomores or Freshmen with the consent of the instructor. First semester. Omitted 1968-69. Professor French.

**27. French Classic Tragedy—Corneille and Racine.** A detailed study of the history and theory of French classic drama, with an analysis of the principal tragedies of Corneille and Racine. The philosophies of Descartes and Pascal are studied as background for the tragic authors. Three hours of classroom work per week.

Requisite: An introductory course in French literature. Elective for Sophomores or Freshmen with the consent of the instructor. First semester. Professor Turgeon.

**28. French Classic Comedy—Molière.** A detailed study of the principal comedies of Molière, and of the comic spirit as exemplified in La Fontaine and Boileau. Three hours of classroom work per week.

Requisite: An introductory course in French literature. Elective for Sophomores or Freshmen with the consent of the instructor. Second semester. Professor Turgeon.

**30. French Literature of the Eighteenth Century.** A survey of French literature between 1690 and 1789 with concentration upon the "Philosophes." Conducted in French. Three hours of classroom work per week.



Requisite: An introductory course in French Literature. Elective for Sophomores or Freshmen with the consent of the instructor. Second semester. Omitted 1968-69.

**35. French Drama Since 1890.** A survey of the principal trends in the modern theater with extensive readings from such authors as Claudel, Rostand, Giraudoux, Anouilh, Camus, Ionesco, Beckett and Sartre. Three hours of classroom work per week.

Requisite: An introductory course in French literature. Elective for Sophomores or Freshmen with the consent of the instructor. First semester. Omitted 1968-69.

**36. Aspects of the Twentieth Century Novel.** Readings from Giono, Malraux, Sartre, Céline, and representatives of the *nouveau roman*. Conducted in French. Three hours of classroom work per week.

Requisite: An introductory course in French literature. Elective for Sophomores or Freshmen with the consent of the instructor. Second semester. Professor Ryerson.

**H37. Albert Camus.** Readings in the works of Albert Camus. Two hours of classroom work per week. Conducted in French. A half course.

Requisite: Satisfaction of the language requirement in French. Elective for Sophomores or Freshmen with the consent of the instructor. First semester. Professor Carre.

**H38. André Gide.** Readings in the works of André Gide. One hour of classroom work per week. Conducted in French. A half course.

Requisite: Satisfaction of the language requirement in French. Elective for Sophomores or Freshmen with the consent of the instructor. Second semester. Professor Giordanetti.

**H39. Marcel Proust.** A study of *A La Recherche du Temps Perdu*. Two hours of classroom work per week. Conducted in French. A half course.

Requisite: Satisfaction of the language requirement in French. Elective for Sophomores or Freshmen with the consent of the instructor. First semester. Omitted 1968-69.

**40. Modern French Poetry.** A study of the principal poetic movements of the nineteenth century and the first part of the twentieth century, with particular attention to the poetic practice of Baudelaire, Rimbaud, Mallarmé and Apollinaire. Three meetings per week. Conducted in French.

Requisite: Satisfaction of the language requirement in French. Elective for Freshmen. Second semester. Professor Carre.

**77. Conference Course for Seniors.**

First semester. The Department.

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### **D78. Conference Course for Seniors.** A double course.

Second semester. The Department.

### **97, H97. Special Topics.** Independent Reading Course. Full or half course.

Approval of the department chairman is required. First semester.

### **98, H98. Special Topics.** Independent Reading Course. Full or half course.

Approval of the department chairman is required. Second semester.

## GEOLOGY

Professors Brophy (Chairman), Foose\* and Wood; Assistant Professors Belt, Hand and Kuntz.

*Major Program.* Course requirements for majoring in geology include Geology 11, 12, 21, H23, 24, 35, 41, 42, and 52. Students with adequate background may be excused from Geology 11 and/or 12. Minimum requirements in related sciences are Mathematics 12, Chemistry 32, and Physics 13 and 14. In addition, Mathematics 34 is strongly recommended. For students specifying a strong interest in paleontology, Biology 21 and 24 would be required in place of the physics courses. While the Problems of Inquiry course in the sciences is not required of all geology majors, it may, at the discretion of the departmental staff, be required of individual students in order to strengthen their background.

Inasmuch as levels of preparation may vary widely, any student who contemplates a major in geology is urged to discuss his interest with the departmental chairman as early as possible. This will help him elect a program that best fits his preparation, interests, and abilities.

Early in the second semester of the senior year, each major shall take a comprehensive examination, both written and oral. Part I will encompass those subjects considered to form the basic body of knowledge in the science. Part II will include questions that synthesize geologic knowledge or deal specifically with the major interest of the student. Part III will be an oral examination by the staff and invited guests.

Students proceeding to graduate school should take the graduate record examination early in their senior year and should be aware that most graduate schools require reading proficiency in two languages (usually French, German, or Russian), and attendance at an accredited summer field camp in geology.

*Honors Program.* For a degree with honors, a student must have demonstrated ability to pursue independent work fruitfully and exhibit a strong motivation to engage in research. A thesis subject may be chosen in

\*On leave 1968-69.

the junior year and must be chosen within the first month of the senior year. Geology 77, 78 involves independent research in the field or the laboratory that must be reported in a dissertation of high quality, due in April of the senior year. Participation in a senior seminar is required of all honors candidates.

*Distribution Sequences.* For fulfillment of the general distributional requirements, the following are suggested for non-geology majors. As a two-semester sequence, Geology 11 and 12 is designed to be relevant in an age in which most educated persons may expect to travel extensively and to observe or be intimately involved with many aspects of the earth. As a three-course sequence, Geology 11, 12, and 33 would be ideal. In order to meet specific interests, however, the third course may be Geology 21, 41 or 42.

Unless otherwise specified, all courses are open to freshmen.

**11. Principles of Physical Geology.** A study of the geologic processes operating on and under the earth's surface, and the character and origin of the earth's major features and its mineral resources. Principles will be studied and major features examined both in the laboratory and the field. Four hours class; three hours laboratory (or field) work each week, and one all-day field trip.

First semester. Professor Brophy and Staff.

**11s. Principles of Physical Geology.** Same as Geology 11.

Second semester. Professor Brophy and Staff.

**12. Historical Geology.** The history and development of the continents, and the evolution of life through the geologic past. Four hours class and two hours laboratory per week, and one all-day field trip.

Requisite: Geology 11. Second semester. Professor Hand and Staff.

**12f. Historical Geology.** Same as Geology 12.

First semester. Professor Belt and Staff.

**21. Mineralogy.** The study of minerals with emphasis on crystallography, crystal chemistry, and chemical-structural classification. The course will require identification of minerals and knowledge of their distribution, origin, and use. Laboratory studies of chemical and physical properties of minerals useful in mineral identification, including X-ray diffraction. Three hours class and three hours laboratory work per week.

Requisite: Geology 11 or permission of the instructor. First semester. Professor Brophy.

**H23. Optical Mineralogy.** The properties of isotropic, uniaxial, and biaxial substances in plane polarized light as well as observations of minerals using the petrographic microscope as a conoscope. Diagnostic optical properties of

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the common rock-forming minerals are systematically described. Three hours combined lecture-laboratory each week. A half course.

Requisite: Geology 11 or permission of the instructor; concurrent with Geology 21. First semester. Professor Kuntz.

**24. Petrology.** Identification and classification of common igneous and metamorphic rocks using the hand lens and petrographic microscope. Rock genesis is related to field and petrographic associations as well as phase equilibria in simple systems. One two-day field trip required, as well as trips of lesser duration. Three hours class and four hours of laboratory work per week.

Requisite: Geology 21 and H23. Second semester. Professor Kuntz.

**33. Geomorphology and Glacial Geology.** Interpretation of land forms and their development by geological processes, tectonic activity, and climatic environment, based on field and aerial photographic studies. Geochronology of Pleistocene time. Two hours class and three hours laboratory each week.

Requisite: Geology 12. First semester. Professor Belt.

**35. Structural Geology.** A descriptive and analytical study of sedimentary and igneous rock structures, and of the causes of deformation within the context of regional tectonic frameworks. Geologic structures will be studied and mapped in the field in areas of sedimentary and metamorphic rocks during the laboratory. Two hours class and four hours laboratory each week.

Requisite: Geology 24. First semester. Professor Kuntz.

**41. Sedimentology and Stratigraphy.** A study of ancient sediments and their modern analogs. Emphasis is placed on the dynamic processes of transport, deposition, interaction between organisms and sediment and diagenesis. Laboratory will include thin-section analysis using the petrographic microscope. Regional interpretation and principles of stratigraphic correlation. Three hours class and three hours laboratory each week.

Requisite: Geology 12. First semester. Professor Hand.

**42. Invertebrate Paleontology.** A study of invertebrate organisms and their development through geologic time, as indicated by the fossil record. Ecology of ancient faunas, population analysis, influence of organisms on sediments, and the use of fossils in solving biostratigraphic problems. Three hours class and three hours laboratory each week.

Requisite: Geology 12 or Biology 22. Second semester. Professor Belt.

**45. Vertebrate Paleontology.** The evolution of vertebrates as shown by the study of fossils, and the relationship of environment to evolution. Three hours class and four hours laboratory work each week. Same course as Biology 45.

Requisite: Geology 12 or Biology 24. Elective for Juniors. Limited to twelve students. First semester. Professor Wood.

**46. Economic Geology.** Origin, occurrence, distribution, uses, and production of mineral fuels, metalliferous minerals (ore deposits), and industrial minerals (non-metallics). Laboratory devoted to studies of important mining districts, examination of raw materials and their geologic relations, and to a solution of geologic problems related to their occurrence. Three hours class and four hours laboratory each week.

Requisite: Geology 24 and 35. Second semester. Omitted 1968–69. Professors Brophy and Foose.

**52. Field Geology.** Theory and application of the techniques and methods available to the geologist for measurement of earth features and phenomena. Reconnaissance and detailed surveying techniques and geochemical and geophysical methods will be employed, including an independent geological mapping program. Participation in a senior seminar and a senior thesis are required. (Honors program may be substituted for the senior thesis.) Six hours of directed field (or laboratory) work each week.

Requisite: Geology 35. Second semester. Professor Brophy and Staff.

**77, 78. Geology Honors.** Independent research on a geologic problem within any area of staff competence. A dissertation of high quality will be required. A seminar covering a broad spectrum of geologic problems or world regions is included.

Elective for seniors who meet the requirements of the honors program. First and second semesters. The Staff.

**97, H97, 98, H98. Special Topics.** Independent Reading. Full or half courses.

Approval of the departmental chairman is required. First and second semesters.

## GERMAN

Professors Peppard (Chairman) and Scenna; Associate Professor White; and assistant.

*Major Program.* The major must include the following courses: German 10, 11, 21, 23, 24, 26, 38 or 40, 97 or 98.

A major in German will take a written examination in the seventh week of the second semester of his senior year. A reading list will be provided to aid in the preparation for this examination.

*Honors Program.* In addition to the courses required for a *rite* major, candidates for honors must complete German 77, 78, and must present a thesis. They are urged to study an ancient or one other modern foreign language.

The aim of honors work in German is to offer the candidate the oppor-



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tunity (a) to explore a chosen field or fields through a more extensive program of readings than is possible in course work; (b) to organize material for himself along historical or analytical lines, usually in the form of a thesis or essay; (c) to acquire a general view of the history and development of German literature or language.

Each candidate will present a thesis or essay on an approved topic. It may deal critically with the work of a specific author; it may treat the development of an idea in historical form; it may be a study of some particular literary form.

Each candidate will take a written general examination on the history of German literature, which will also include questions in his chosen field. The result of this examination together with the excellence of the thesis or essay will determine the degree of honors for which the Department will recommend the candidate.

*Distribution Sequences.* A two-course sequence will consist of German 11 plus one higher numbered course. A three-course sequence will consist of German 11 plus two higher numbered courses.

**1. Elementary Course.** Grammar, pronunciation, oral practice. Three hours per week for explanation and demonstration and three hours per week in the language laboratory for oral practice.

Elective for Freshmen. First semester. Professor White.

**3. Intermediate Course.** Review of grammar and pronunciation, oral practice. Reading and analysis of selected texts. Three hours per week for explanation and demonstration, and three hours per week in small sections for drill in comprehension of the spoken language. Assignment to this course will be made on the basis of the score in the CEEB Achievement Test.

Elective for Freshmen. First semester. Professor Scenna.

**3s. Intermediate Course.** Same description as above.

Requisite: German 1, or its equivalent. Elective for Freshmen. Second semester. Professor White.

**5. Advanced Course.** Reading and analysis of selected texts. Three hours per week for demonstration and explanation, and three hours per week in small sections for oral practice and discussion. Stress will be placed on comprehension of the spoken language and oral drill. Conducted in German.

Requisite: A satisfactory score in the CEEB Achievement Test, or German 3, or the equivalent. Elective for Freshmen. First semester. Professor Peppard.

**5s. Advanced Course.** Same description as above.

Requisite: German 3 or its equivalent. Elective for Freshmen. Second semester. Professor Peppard.

*Freshmen will be assigned to German 1, German 3, or German 5 on the basis of the score in the CEEB Achievement Test and previous training. Part of the drill in these courses will be in the language laboratory.*

**10. Advanced Composition and Conversation.** Practice in free composition in German. Exercises in pronunciation and idiomatic conversation, with supplementary practice in the language laboratory. Oral reports on selected topics. Conducted in German. Three hours per week.

Requisite: consent of the instructor. Elective for Sophomores. Second semester. Offered in alternate years. Professor Peppard.

**11. Introduction to German Literature.** Reading and discussion of selected literary texts. This course will be conducted in German. Three hours of classroom work per week.

Requisite: satisfaction of the language requirement. Elective for Freshmen. First semester. Professor Peppard.

**11s. Introduction to German Literature.** Same description as above.

Requisite: satisfaction of the language requirement, including satisfaction of the requirement at the end of the first semester. Elective for Freshmen. Second semester. Professor Peppard.

**21. German Literature of the Eighteenth Century.** The development of German Literature from the middle of the eighteenth century to the beginning of the nineteenth. Selected readings from the works of Lessing, Wieland, Goethe, Schiller, and the Sturm und Drang. Conducted in German. Lectures and discussion. Three hours per week.

Requisite: German 11. Elective for Freshmen. First semester. Professor Scenna.

**23. Goethe's Faust.** *Faust*, Parts I and II. A study of the Faust legend, lectures, and assigned readings. Conducted in German. Three hours per week.

Requisite: German 11. Elective for Freshmen. First semester. Professor Scenna.

**24. German Romanticism.** Studies in the Romantic movement in Germany, with readings from Tieck, F. Schlegel, Brentano, Kleist, Hoffmann, and Heine. Lectures and discussion. Three hours per week. Conducted in German.

Requisite: German II. Elective for Freshmen. Second Semester. Professor Scenna.

**26. German Literature from Romanticism to the Turn of the Century.** The development of German Literature from the death of Goethe through the period of Naturalism. Selected readings, lectures, and discussion. Conducted in German. Three hours per week.

Requisite: German 11. Elective for Freshmen. Second semester. Professor Scenna.

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**35. Studies in Twentieth Century Prose.** Readings in major writers such as Thomas Mann, Franz Kafka, and Hermann Hesse. Conducted in English. Students may read in the original or in translation according to their command of the language. Three hours per week.

Elective for sophomores. Offered in alternate years. Omitted 1968-69.

**37. German Literature in Translation.** Selected works of German literature in a rapid survey from the medieval period to the present. Readings in the original may be assigned for those with sufficient command of the language. Three hours per week.

Elective for Juniors. First semester. Offered in alternate years. Professor White.

**38. German Drama of the Twentieth Century.** Studies in German drama of the period with emphasis on the Expressionists. Brecht, and post-World War II dramatists. Three hours per week. Conducted in German.

Requisite: German 11. Elective for Juniors. Second semester. Offered in alternate years. Omitted 1968-69.

**40. German Poetry of the Twentieth Century.** Interpretation of German verse of the period, with emphasis on George, Rilke, Howmannsthal, the Expressionists, and post-World War II poets. Three hours per week. Conducted in German.

Requisite: German 11. Elective for Juniors. Second semester. Offered in alternate years. Professor White.

### **77, 78. Honors Course for Seniors.**

First and second semesters. The Department.

### **97. Special Topics. Independent Reading Course.**

First semester. Professor Peppard.

### **98. Special Topics. Independent Reading Course.**

Second semester. Professor Scenna.

## HISTORY

Professors Commager,\* Greene, Halsted, Havighurst,† Rozwenc\* and Ward; Associate Professors Cheyette, Czap (Chairman), Gifford, Hawkins, Petropulos and Ratté; Assistant Professors Levin\* and R. Moore\*; Mr. Lees.

*Major Program.* Every student choosing history as his major field of study is assigned a departmental advisor who helps him define a primary and

\*On leave 1968-69; †On leave first semester, 1968-69.

secondary field of concentration. A primary field involves the equivalent of four semester courses, a secondary field the equivalent of two semester courses: both can be organized either chronologically or topically. (For example: European history since 1815, Russian history, American history; or intellectual history and the history of science in Europe and America since Newton, or the comparative history of modernization in Russia, Japan, the Middle East, and Africa.) As the character of the concentration is progressively defined through course work and consultation, courses in other departments or programs of independent reading may be advised and accepted as fulfilling major requirements.

Requirements include History 11 or 11s, eight additional semester courses in history, an essay in each field of concentration, and an orals examination to be taken in the spring of the senior year.

*Honors Program.* Candidates for honors will include History 77-78, the writing of a thesis, among their eight departmental courses beyond History 11 or 11s. With special permission History 77 and/or 78 may be taken by non-honors candidates.

*Distribution Sequences.* A three-course departmental sequence may be fulfilled by History 11 or 11s and two courses which are related chronologically or topically. Acceptable sequences include any pair of courses in the following fields: European history (including English and Russian history); American history; Middle Eastern history; East Asian history; and History of Ideas (including Educational history and History of Science). Acceptable sequences which combine fields are: History 37 and 61; History 33 and 60; or a pair of courses from within one of the following groups: a) 23, 24, 37, 39, 41, 45, 51; b) 28, 32, 38, 55, 59; c) 22, 28, 32, 33, 38, 42, 46, 48, 52, 56, 62, 76. Any other sequence must be approved by the chairman of the Department.

A two-course departmental sequence will normally be fulfilled by History 11 or 11s and a course of the student's selection. Exceptions must be approved by the chairman of the Department.

Unless otherwise specified all courses are open to freshmen.

**11. An Introduction to History.** To develop in the student an awareness of what the historian does and what problems he encounters when he sets out to write the history of the past, the introductory course in history will consist of an intensive examination of different views of an important moment in history.

Required for all majors. Majors or prospective majors are advised to take this course as early as possible. First semester. The Department.

**11s. An Introduction to History.** Same course as History 11.

Second semester. The Department.



**22. The Development of European Society II.** Topics in the history of Europe from 1648 to the present, including absolutism and constitutionalism in the 17th century, enlightenment and revolution in the 18th century, and nationalism, socialism, and science in the 19th and 20th centuries. Not to be taken by students who have had History 2 in the former curriculum.

Second semester. Professor Ratté.

**23. Medieval Europe.** An introduction to medieval European society. Readings and discussion on selected topics of institutional and social history, concentrating on the period from the 11th to the 13th century. Two one-and-one-half hour class meetings per week.

First semester. Professor Cheyette.

**24. Renaissance Society.** An introduction to European societies 1300–1600. (For 1969 see Colloquium, page 101).

**Literature and Society in the Late Middle Ages.** (See description for Colloquium, page 101). Three hours of classroom work per week.

Second semester. Professors Chickering and Cheyette.

**25s. The European Mind, Abelard to Luther.** The major trends of European thought in the Middle Ages and Renaissance, seen through a study of one or two major figures or themes. The seminar will concentrate on medieval heresies during the first half of the semester. One meeting per week.

Requisite: History 23, 24, or Philosophy 17, or consent of the instructor. Second semester. Professor Cheyette.

**28. Germany Since 1740.** A survey of the social and political history of modern Germany, with some attention to related intellectual developments as well. Major emphasis will be placed on themes such as the following: the theory and practice of enlightened absolutism, the social and intellectual impact and challenge of the French Revolution, the origins of liberalism and nationalism, the effects of industrialization, social and ideological tensions in the Second Empire, expansionism and the military elite, the Weimar experiment in democracy, fascism and the structure of Nazi power. Some reading of original sources in English translation. Use will also be made of visual materials. Three class meetings per week.

Second semester. Mr. Lees.

**31. European Thought in the Eighteenth and Nineteenth Centuries.** The relations of the arts, philosophy, and the study of society to social developments will be treated in such illustrative topics as (1) the Enlightenment, (2) the Romantic Movement, (3) the Conflict of Science and Religion, (4) the Development of the Social Sciences, (5) Irrationalism and the *fin de siècle*.

First semester. Professor Halsted.



**32. Europe in the Nineteenth Century: Politics and Society.** Two topics will be selected from the political and social history of 19th Century Europe. One will center upon a major development of international significance with a limited chronological span, such as the Revolutions of 1848, or Imperialism. The other will trace through the century a political and social movement dominated by ideology (Liberalism, or Socialism, or Nationalism) and will include a detailed investigation of relevant aspects within a relatively brief period of the history and culture of one European state, e.g. Nationalism in Italy, 1848–1860, or Socialism in France, 1870–1900.

Second semester. Omitted 1968–69. Professor Halsted.

**33. Europe in the Twentieth Century.** A survey of the political, social and cultural history of Europe in the context of emerging world civilization, 1890 to the present. Lectures, discussions, and readings focus on World War I, fascism, and European reconstruction in the Cold War.

First semester. Professor Ratté.

**34. Topics in Contemporary Intellectual History.** The seminar considers both methodological problems (social context, biography, and influence) and specific topics in the history of ideas in the 20th century. Topic for 1969: classics of 20th century European social thought. Major works by social scientists, novelists and poets including Freud, Weber, Mann, Eliot, Sartre, Teilhard de Chardin and the neo-Marxists.

Requisite: History 33 or an equivalent course in another institution. Second semester. Professor Ratté.

**37s. English History: Tudors and Stuarts.** An examination of English society and institutions from 1485 to 1714: the securing of the Tudor dynasty; the Henrician break with Rome and the Elizabethan Settlement in religion; seventeenth century revolutions in political, religious and social context; the Revolution Settlement.

Second semester. Professor Havighurst.

**38. Britain since 1815.** A study of some of the fundamental changes in English society and institutions from 1815 to the present. Chief topics to be examined: the eighteenth century background; the condition of England, 1815; Victorian reform and compromise; factors in foreign policy; social thought and social change, 1870–1914; Socialist Britain, 1945–1965; from Empire to Commonwealth.

Second semester. Omitted 1968–69. Professor Havighurst.

**39s. Foundations of English Law and the Constitution.** Origins of the English Constitution; Growth of Common Law; Evolution of Parliament; Development of Monarchy; selected topics in Constitutional Conflict since 1485.

Second semester. Professor Havighurst.

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**41. Russia.** The history of Imperial Russia until 1894. The course will include a brief discussion of Russia's Kievan and Muscovite background and will emphasize the development of political institutions, the growth and collapse of serfdom, the village commune, the agrarian problem and the impact of industrialization in the post-Emancipation period, and the growth of revolutionary thought and action.

First semester. Professor Czap.

**42. Russia.** The history of Russia and the Soviet Union in the twentieth century. The course will include a discussion of the constitutional monarchy, the 1917 revolutions and establishment of the Soviet regime, and will survey the development of agriculture and industry and the evolution of the Communist party through the post-war years.

Second semester. Professor Czap.

**44. Topics in Russian History.** The seminar will consider the Russian Revolution as extending from 1917 to 1933. It will investigate the reestablishment of social and economic stability within Russian society after October, 1917. Papers and discussion. One seminar meeting per week.

Admission by consent of the instructor. Second semester. Omitted 1968-69. Professor Czap.

**45. Early Japanese History.** An introduction to the history of Japan from earliest times to 1600. The course will examine through readings and lectures (1) formation of the imperial institution in early tribal society, (2) contact with China and development of an aristocratic society, and (3) evolution of regional power groups and feudal institutions to 1600. Emphasis will be on relationships between land systems and political and social structures, and the development of a distinctive cultural style in three major periods of Japanese history.

First semester. Omitted 1968-69. Professor R. Moore.

**46. Modern Japanese History.** An introduction to the history of Japan in recent times. Readings and lectures on Japan's political and intellectual responses to the West in the 19th and 20th centuries and the process of modernization. Brief treatment of traditional society; the origins of political, economic and social modernization; the rise of revolutionary nationalism and Japan's international relations leading to the second world war, defeat and the American occupation; and developments since the war.

Second semester. Omitted 1968-69. Professor R. Moore.

**47s. Topics in Japanese History.** Readings, student reports and class discussion will center on selected problems of modernization in Japan. Though topics will vary from year to year, the following are typical: the role of tradition in Japan's modernization, leadership and political modernization, revolutionary nationalism and foreign affairs, the American occupation.

Students without knowledge of modern Japanese history will be required to do extra reading during the first two weeks. One two-hour meeting each week.

Second semester. Omitted 1968–69. Professor R. Moore.

**48f. Modern East Asia and the West.** Intensive reading and class discussion of problems arising from the Western impact on China, Japan and Korea since the middle of the 19th century. Special consideration is given to differences in the Chinese and Japanese reaction to the West and their attempts to modernize.

First semester. Omitted 1968–69. Professor R. Moore.

**51. The Middle East.** From the birth of Islam in the seventh century A.D. to 1300. Special emphasis will be placed on the nature of Islamic society and thought, the formation of an Islamic civilization, and the interaction of Arabs, Persians, and Turks.

First semester. Professor Petropulos.

**52. The Middle East.** From the rise of the Ottoman Turks around 1300 and the formation of the Ottoman empire to the emergence of successor nation-states in the twentieth century. Topics receiving special emphasis: changes in the nature of Ottoman state and society, the impact of the West and alternative attempts to reform and modernize, the contrasting experiences of Arabs, Turks, and Persians before and after World War I.

Second semester. Professor Petropulos.

**54. Topics on the Middle East.** Each year the course will focus on a single topic of broad range. Papers and discussion. One two-hour session per week. Since the topic will vary from year to year, the course may be taken for credit more than once. Topic for 1969: the Arab-Israeli dispute. Admission by consent of the instructor.

Second semester. Professor Petropulos.

**55. The History of American Society.** The changing relations in American social thought and behavior in the generations from the American Revolution to the end of the Civil War. Emphasis is given to basic political, economic and social institutions, to the place of science and technology in American society, and to competing ideas and social myths.

First semester. Professor Clark.

**56. The History of American Society.** The changing relations in American social thought and behavior in the generations from the Gilded Age to the present. Emphasis is given to basic political, economic and social institutions, to the place of science and technology in American society, and to competing ideas and social myths.

Second semester. Omitted 1968–69. Professor Rozwenc.

**57. Seminar in Southern History.** Selected topics, with emphasis on the forces that have affected Southern particularism. One two-hour and one one-hour meeting weekly.

Limited to fifteen students. First semester. Omitted 1968-69. Professor Hawkins.

**58. The Progressive Generation.** A study of the responses to change made by Americans in the generation from 1890 to 1920. By concentrating upon a single generation the course will explore some of the interrelations among politics, literature, business, the professions, religion, and popular culture. One seminar meeting weekly.

Limited to fifteen students. Second semester. Omitted 1968-69. Professor Greene.

**59. Society and Politics in the Jacksonian Era.** An intensive examination of the social and economic changes in America in the early nineteenth century and their implications for the practice of politics and the content of American democratic ideology.

First semester. Omitted 1968-69. Professor Ward.

**60. Society and Politics in the Era of the New Deal.** An intensive examination of the changes in power and ideology during the 1930's. One seminar meeting weekly.

Limited to fifteen students. Second semester. Omitted 1968-69. Professor Rozwenc.

**61s. Foundations of American Civilization.** An analysis of the first five generations of Americans (from early settlers through the Revolutionary generation) with emphasis upon the origins of certain fundamental themes in American history: social classes, immigration, European-American relations, frontier vs. city, science vs. religion, and constitutional democracy.

Second semester. Professor Greene.

**62. American Diplomatic History.** The history of American foreign relations from the Revolution to the present, with emphasis on the manner in which, since 1898, domestic and international forces have combined to make American foreign policy one of the main determinants of world politics.

Second semester. Omitted 1968-69. Professor Levin.

**63. Conference Course in American Intellectual History.** This course will consist of reading, discussion and reports on some of the significant books of American intellectual history. One seminar meeting weekly.

Elective for Juniors with permission of instructor. First semester. Omitted 1968-69. Professor Commager.

**64. Conference Course in American Intellectual History.** Continuation of History 63. One seminar meeting weekly.



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Elective for Juniors with permission of instructor. Second semester. Omitted 1968–69. Professor Commager.

**66. Seminar in American Educational History.** Selected topics from the colonial period to the present with emphasis on tensions between autonomous institutional standards and the needs and ideals of the general society. One two-hour and one one-hour meeting weekly.

Limited to fifteen students. Second semester. Omitted 1968–69. Professor Hawkins.

**67. Race in American History.** The course explores thought about race and institutions based on race within the context of American cultural development. Emphasis is on Negro Americans, with some comparative study of other ethnic groups. One one-hour and one two-hour meeting weekly. Limited to twenty-five students. To alternate with History 57.

First semester. Professor Hawkins.

**72. Ideas in American Culture.** Selected moments in the history of ideas in American culture from Puritanism to pragmatism. Three class meetings per week.

Second semester. Professor Ward.

**73. History and Theory.** Readings and discussion dealing with problems of meaning and method in history: e.g. history as literary art and as social science; the characteristics of historical knowledge; social causation and historical explanation; and pattern, purpose, and direction in course of historical change. One seminar meeting per week.

First semester. Professor Halsted.

**75s. Seminar in Comparative History.** In 1968–69 the course will treat Russian serfdom and American Negro slavery, with emphasis on the nineteenth century. Elective for juniors and seniors, with consent of the instructors.

Second semester. Professors Czap and Hawkins.

**76f. Seminar in Colonial History.** Readings, discussion and essays focusing on the creation and maintenance of "the colonial situation," its characteristics, and the consequences of decolonization. Emphasis will be placed upon Africa. Two meetings per week.

Limited to fifteen students, with consent of the instructor. First semester. Professor Gifford.

**77. Conference Course. Senior Honors.** Preparation of an honors thesis.

Elective for Seniors with the consent of the Department. With special permission of the department, students who are not candidates for honors may elect History 77 and/or History 78. First semester. The Department.

**D78. Conference Course. Senior Honors.** Preparation of an honors thesis. A double course.



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Elective for Seniors with the consent of the Department. With special permission of the department, students who are not candidates for honors may elect History 77 and/or History 78. Second semester. The Department.

**97, H97. Special Topics.** Independent Reading Course.

First semester.

**98, H98. Special Topics.** Independent Reading Course.

Second semester.

## ITALIAN

Professors French and Giordanetti.

*Major Program.* A combined major may be arranged by consultation. Note also under French and Spanish the description of combined majors with Italian.

*Distribution Sequences.* Sequence of two: Italian 12, 23 or Italian 12, 24. Sequence of three: Italian 12, 23, 24.

**1. Italian Language.** An intensive course in language: recognition and imitation of basic sentence patterns, vocabulary and verb forms. Oral-aural drill on readings. Per week: three class hours as scheduled; two hours of section with instructor, to be arranged; work in laboratory as regular part of preparation.

Elective for Freshmen. First semester. Professor French.

**12. Readings in Italian Literature.** Theater, such as Pirandello, *Enrico IV*; short story such as Verga, *Cavalleria rusticana*; novel such as Pavese, *Paesi tuoi*; poetry such as that of Quasimodo. Three hours per week.

Requisite: Italian 1. Elective for Freshmen. Second semester. Professor Giordanetti.

**23. Dante.** A reading of the *Inferno* and parts of the *Purgatorio* and *Paradiso*. Special study of the social and political background of the work. Reports and papers. Three hours of classroom per week.

Requisite: Italian 12. Elective for Sophomores. First semester. Professor French.

**24. Literature of the Italian Renaissance.** Origins in Boccaccio's *Decamerone* and Petrarch's *Canzoniere*. Reading of Cellini's *Vita*, Castiglione's *Cortegiano*, Machiavelli's *Principe*, etc., with study of the social background of the fifteenth and sixteenth centuries. Reports and papers. Three hours of classroom per week.

Requisite: Italian 12. Elective for Sophomores. Second semester. Professor French.

97, H97; 98, H98. **Special Topics.** Full or half courses.

First and second semesters.

## MATHEMATICS

Professor Breusch and Visiting Professor Mauldon; Associate Professors Bailey (Chairman) and Denton; Assistant Professors Crabtree, Starr and Wilcox.

*Major Program.* The basic minimum course requirements for a major are Mathematics 11, 12, 21, 22, 23, 25, 26 and at least three more courses in mathematics. Beginning with the class of 1970, either Physics 13-14 or Problems of Inquiry 3 must be elected. A student with an acceptable grade on the Advanced Placement Examination in Mathematics may be excused from 11.

A comprehensive examination for honors students will be given toward the end of the first semester of their senior year. For other majors, the comprehensive examination will be given during the first seven weeks of the second semester of their senior year. In each case, the questions will be taken from the subjects covered in the required courses.

A student considering a major in mathematics should consult with a member of the Department as early as possible, preferably during his freshman year. This will enable him to arrange a program best suited to his ability and interest, whether it be in mathematics, secondary school teaching, or a non-mathematical career. If possible, he should complete two courses during his freshman year, and he should have completed all required courses by the end of his junior year.

For a student considering graduate study in mathematics, an honors program and a reading knowledge of two foreign languages (usually German, French or Russian) are extremely desirable. Such a student is advised to take the Graduate Record Examination early in his senior year.

*Honors Program.* For a degree with honors, the following additional courses are required:

*Class of 1969:* Mathematics 42 or 43, 77, 78.

*Class of 1970 and thereafter:* Mathematics 42 or 43, 77, 78, Physics 13, 14. Before the Christmas recess of the senior year, an individual thesis topic will be selected by an honors candidate in conference with a member of the Department. After an intensive study of this topic, the candidate will write a report in the form of a thesis which should be original in its presentation of the material, if not in content. All students majoring in mathematics are expected to attend the mathematics seminar during their junior and senior

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years, and honors candidates will report to the seminar on their thesis work during their senior year.

*Distribution Sequences.* For fulfillment of the general distributional requirements, the following sequences are suggested for non-mathematics majors: 11-12, 11-34, or 12-21 as two-semester sequences; 11-12-21, 12-21-22, 12-21-42, or 11-34-35 as a three-semester sequence.

**11. Introduction to the Calculus.** Basic concepts of analytic geometry; limits, derivatives, antiderivatives; applications; the definite integral, simple applications; circular functions and their inverses, logarithms and exponential functions; coordinate transformations, conic sections. Four class hours per week.

Elective for Freshmen. First semester. The Department.

**11s. Introduction to the Calculus.** Same description as Mathematics 11. Second semester. The Department.

**12. Intermediate Calculus and Differential Equations.** Review of the basic concepts of the calculus, with more stress on rigor; improper integrals, differentials, polar coordinates, parametric equations; the mean value theorem, Taylor's theorem with applications; a first introduction to infinite series; an introduction to differential equations. Four class hours per week.

Requisite: a grade of C or better in Mathematics 11, an acceptable grade on the Advanced Placement Examination, or the consent of the Department. Elective for Freshmen. Second semester. The Department.

**12f. Intermediate Calculus and Differential Equations.** Same description as Mathematics 12.

Elective for Freshmen. First semester. The Department.

**21. Multivariable Calculus.** Functions of several variables, continuity, partial derivatives; the chain rule; coordinate transformations, cylindrical and spherical coordinates; curves and surfaces; Taylor's theorem, extrema; multiple integrals, applications; line integrals; series. Four class hours per week.

Requisite: a grade of 70 or better in Mathematics 12 or the consent of the instructor. Elective for Sophomores. First semester. Professor Starr.

**21s. Multivariable Calculus.** Same description as Mathematics 21.

Requisite: Same as Mathematics 21. Elective for Freshmen. Second semester. Professor Wilcox.

**22f. Advanced Calculus.** Basic topological concepts in  $n$ -space; theorems on compact sets, and on functions which are continuous on compact sets; implicit functions; measures of point sets, Riemann integrals in  $n$ -space; surface area, surface integrals, the divergence theorem; differential forms, Stokes' theorem; Fourier series, applied in the solution of simple partial dif-

ferential equations. Selections from one or two of the following topics: metric spaces; Fourier integrals; the calculus of variations. Four class hours per week.

Requisite: Mathematics 21. Elective for Sophomores. First semester. Professor Wilcox.

**22. Advanced Calculus.** Same description as Mathematics 22f.

Requisite: Mathematics 21. Elective for Sophomores. Second semester. Professor Starr.

**H23. Differential Equations.** An introduction to the theory and methods of solution of ordinary differential equations; a brief treatment of several types of first order equations will be followed by a more thorough study of linear equations, and systems of linear equations. Two class hours per week. A half course. This half course may be paired with Physics H21, the pair to be counted as equivalent to one full course. Offered for the last time in 1968-69.

Requisite: Mathematics 12. Elective for Sophomores. First semester. Professor Bailey.

**25. Algebra I.** A brief consideration of properties of sets, mappings, and the system of integers, followed by an introduction to the theory of groups and rings including the principal theorems on homomorphisms and the related quotient structures; integral domains, fields, polynomial rings. Four class hours per week.

Elective for Sophomores. First semester. Professor Crabtree.

**26. Algebra II.** A continuation of the study of a finite-dimensional abstract vector space and the algebra of linear transformations which act on it, together with the isomorphic algebra of matrices; the dual space, the effect of a change of basis, invariant subspaces, minimal polynomial of a transformation, characteristic vectors, various canonical forms. Four class hours per week.

Requisites: Mathematics 12 and 25. Elective for Sophomores. Second semester. Professor Crabtree.

**33. Theory of Numbers.** An introduction to the theory of rational integers; divisibility, the unique factorization theorem; congruences, quadratic residues. Selections from the following topics: Diophantine equations; Waring's problem; asymptotic prime number estimates; continued fractions; algebraic integers, unique factorization domains. Four class hours per week.

Elective for Sophomores. First semester, alternate years. Professor Breusch.

**34. Introduction to Probability and Statistics.** Elementary probability, including statements of the law of large numbers, and the central limit theorem; joint distribution functions; distribution functions of frequent

occurrence in statistics, such as the Normal, Poisson, Chi square and Student's  $t$ , and their use in hypothesis testing and estimation; roles of the law of large numbers and the central limit theorem in hypothesis testing and estimation (including errors of type I and type II); a brief introduction to non-parametric methods. Four class hours per week.

**Requisite:** Mathematics 11 (or the former Science 1-2). Except with special permission of the departments concerned, this course and economics 45 may not both be taken for credit. Elective for Freshmen. Second semester. Professor Denton.

**35. Statistics.** Intermediate probability; forms and sketches of proofs of the law of large numbers and the central limit theorem; Neyman-Pearson theory of hypothesis testing and estimation; properties of some parametric and non-parametric tests of wide applicability; introduction to decision theory. Four class hours per week.

**Requisite:** Mathematics 34. Elective for Sophomores. First semester, alternate years. Omitted 1968-69.

**36. Topics in Geometry.** A selection of topics from projective, non-Euclidean and differential geometry. Four class hours per week.

**Requisite:** Mathematics 12. Elective for Sophomores. Second semester, alternate years. Omitted 1968-69.

**42. Functions of a Complex Variable.** An introduction to analytic functions; complex numbers, derivatives, conformal mappings, integrals, Cauchy's theorems; power series, singularities, Laurent series, analytic continuation; Riemann surfaces; special functions. Four class hours per week.

**Requisite:** Mathematics 21 (or 31). Elective for Sophomores. Second semester. Professor Mauldon.

**43. Functions of a Real Variable.** An introduction to Lebesgue measure and integration; topology of the real numbers, inner and outer measures and measurable sets; the approximation of continuous and measurable functions; the Lebesgue integral and associated convergence theorems; the Fundamental Theorem of Calculus. Four class hours per week.

**Requisite:** Mathematics 22 or 32. Elective for Juniors. First semester. Professor Mauldon.

**44. Topology.** An introduction to general topology; the topology of Euclidean, metric and abstract spaces with emphasis on such notions as continuous mappings, compactness, connectedness, completeness, separable spaces, separation axioms, metrizable spaces. Additional topics may be selected to illustrate applications of topology in analysis or to introduce the student briefly to algebraic topology. Four class hours per week.

**Requisite:** Mathematics 22 or 32, or consent of the instructor. Elective for Juniors. Second semester, alternate years. Professor Bailey.



## MUSIC

**68. Conference Course.** The content of this course will vary from year to year.

Elective for Juniors with the consent of the Department. Second semester. Omitted 1968–69.

**77. Senior Honors Course.** The content of this course will vary from year to year.

Elective for Seniors with the consent of the Department. First semester. Professor Bailey.

**78. Senior Honors Course.**

Requisite: Mathematics 77. Second semester. The Department.

**97, H97. Special Topics.** Independent Reading Course. Full or half course. First semester.

**98, H98. Special Topics.** Independent Reading Course. Full or half course. Second semester.

## MUSIC

Professor Mishkin (Chairman); Assistant Professors McInnes and Rhodes.

The Department offers courses for students who wish to pursue the study of music with a minimum of technical knowledge (11, 21–22, 41, 42, 43, 44, 45, 47, 48); for students with a special interest in theory and composition (31, 32, 33, 34, 35, 36, 71, 72); and for students with a special interest in performance (H29, H30).

*Major Program.* The *rite* major with concentration in theory is required to elect Music 11, 31–32, 33–34, 21–22 and three other full courses (or their equivalent) offered by the Department. The *rite* music major with concentration in performance is required to elect Music 11, 31–32, 33–34, six half courses in performance (H29, H30), 21–22, and one other full course offered by the Department. Freshmen majors are advised to elect Music 11 and Music 31–32.

*Honors Program.* The honors music major in theory or music history must take the courses prescribed for the *rite* music major in theory plus Music 77–78. The honors music major in performance must take the courses prescribed for the *rite* music major in performance plus Music 77–78.

*Distribution Sequences.* Two-course sequences are (a) Music 11 and one literature course offered by the Department; (b) Music 31–32; (c) Music 21–22 or any other combination of two full courses in music literature if

## AMHERST COLLEGE

the student has demonstrated his qualification for advanced standing. Three-course sequences are: (a) Music 11 and 21–22; (b) Music 11 and 31–32; (c) Music 11 and any other two full courses in music literature.

**11. Introduction to Music.** An introductory study of such problems as: the development of an adequate descriptive language for the materials of western music; the analysis of a single work; systematic theories for a large body of works; inferring sounds from notation; changes in the social function of composing, performing, and listening; historical constructs as applied to music. Two lectures and one section meeting a week.

Elective for Freshmen. First semester. Professor Rhodes.

**11s. Introduction to Music.** Same course as Music 11.

Elective for Freshmen. Second semester. Professor Rhodes.

**21. History of Western Music.** The history of western music from 500 B.C. through early Baroque music (seventeenth century). The techniques, forms and styles used during the various periods. Three class meetings weekly.

Requisite: Music 11 or the consent of the instructor. Elective for Sophomores. First semester. Omitted 1968–69.

**22. History of Western Music.** A continuation of Music 21. The history of western music from 1700 to the present day. Three class meetings weekly.

Elective for Sophomores. Second semester. Omitted 1968–69.

**H29, H30. Performance.** Under the Four-College Cooperative Plan courses are offered in: piano, organ, voice, violin, viola, violoncello and occasionally in other performance media. These courses may be elected by students who first satisfy the Department and the individual instructor that they are prepared to undertake the study of solo music literature of artistic worth. Instruction will be given by members of the Departments of Music of Amherst, Mount Holyoke, and Smith. The courses listed in the catalogues of the neighboring institutions are: Smith College—Piano 121, 222, 323, 424, 525; Violin 151, 252, 353, 454, 555; Viola 161, 262, 363, 464, 565; Violoncello 171, 272, 373, 474, 575; Voice 141, 242, 343, 444, 545; and at Mount Holyoke College—Voice 167f, 168s. A fee of \$112.50 per semester is charged to cover a portion of the expense of this special type of instruction. One hour of private instruction and nine hours of practice per week are expected.

Note: Two music performance half courses may be counted as the equivalent of one full course for fulfilling degree requirements. Study for less than two consecutive semesters will not be counted for satisfaction of the degree requirements.

Elective for Freshmen with the consent of both the Amherst Music Department and the instructor. This course may be repeated. First and second semesters.

**31. Elementary Theory.** Basic principles of harmonic and contrapuntal technique. Triads and their inversions, nonharmonic tones, modulations, harmonizations in chorale style. Three class meetings a week.

Requisite: ability to play all written work and the consent of the instructor. Elective for Freshmen. Limited to 15 students. First semester. Professor Mishkin.

**32. Elementary Theory.** A continuation of Music 31. Seventh chords, elementary phrase structure, formal analysis, binary composition. Three class meetings a week.

Requisite: Music 31. Elective for Freshmen. Second semester. Professor Mishkin.

**33. Chromatic Harmony.** The theory of tonality as practiced from the 17th to the early 20th century, with particular emphasis on the resources of chromaticism. Students will analyze pieces from this period and write pieces modeled on them. Three class meetings a week.

Requisite: Music 32. Elective for Sophomores. First semester. Professor Rhodes.

**34. Chromatic Harmony.** A continuation of Music 33. Three class meetings a week.

Requisite: Music 33. Elective for Sophomores. Second semester. Professor Rhodes.

**35. Advanced Theory.** Further work in imitations of classical models according to the needs and experience of the individual student. Three class meetings a week.

Requisite: Music 34. Elective for Juniors. First semester. Professor Rhodes.

**36. Advanced Theory.** A continuation of Music 35. Three class meetings a week.

Requisite: Music 35. Elective for Juniors. Second semester.

**41. History of Choral Music.** A survey of choral music from the baroque period to the present time, from Bach through Stravinsky. Three class meetings a week.

Requisite: Music 11 or the consent of the instructor. Elective for Sophomores. First semester. Professor McInnes.

**42f. Bach.** The Bach style studied in relation to the development of music since 1600. Three class meetings a week.

Requisite: Music 11 or the consent of the instructor. Elective for Juniors. Offered in alternate years. First semester. Professor Mishkin.

**43. Mozart.** A study of the instrumental and sacred choral music. Three class meetings a week.

Requisite: Music 11 or the consent of the instructor. Elective for Sophomores. Offered in alternate years. First semester. Omitted 1968–69. Professor Mishkin.

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**44. Beethoven.** A study of the piano, chamber, orchestral and choral music. Three class meetings a week.

Requisite: Music 11 or the consent of the instructor. Elective for Freshmen. Offered in alternate years. Second semester. Professor Mishkin.

**45s. Opera.** The development of the musical drama from 1600 with emphasis on a detailed study of operatic types. Concentration on representative works by Monteverdi, Gluck, Mozart, Verdi and Wagner. Three class meetings a week.

Requisite: Music 11 or the consent of the instructor. Elective for Sophomores. Offered in alternate years. Second semester. Professor McInnes.

**47. Nineteenth Century Music.** Solo and chamber music; the art song and choral music; the symphony and symphonic poem. Three class meetings a week.

Requisite: Music 11 or the consent of the instructor. Elective for Sophomores. Offered in alternate years. First semester. Omitted 1968-69.

**48. Twentieth Century Music.** Analyses of key works by Bartok, Berg, Schoenberg, Stravinsky, and Webern and discussion of some recent developments. Three class meetings a week.

Requisite: Music 11 or the consent of the instructor. Elective for Juniors. Offered in alternate years. Omitted 1968-69. Second semester.

**71. Composition Seminar.** Creative composition in music according to the needs and experience of the individual student.

Requisite: Music 34 or the consent of the instructor. Elective for Juniors. First semester. Professor Rhodes.

**72. Composition Seminar.** A continuation of Music 71.

Requisite: Music 34 or the consent of the instructor. Music 71 and 72 may be elected for more than one year. Elective for Juniors. Second semester. Professor Rhodes.

**77, D77, 78, D78. Conference Course.** Advanced work in history, composition or performance for honors candidates. A thesis, a major composition or a formal recital will be required. No student shall elect more than one semester as a double course. A double course or a full course.

Elective for qualified Seniors.

## NATURAL SCIENCES

Advisory Committee: Professor Dempsey (Chairman); Associate Professor Fink\*; Assistant Professor Starr, and others.

This major is offered to the natural science oriented student whose pro-

\*On leave 1968-69.

fessional goals would be best served by exposure to a broad spectrum of science courses rather than by an intensive study in a traditional science field. Examples of students who might find this program tailored to their needs are: A) A student intending to teach science at the secondary school level where ability to teach two, and sometimes three, sciences is often required. B) A student who would like a science major in preparation for further study in the history or philosophy of science. C) A student intending to pursue graduate study in business administration with the hope of becoming an administrator in a science-oriented industry.

The courses for this program are selected from the standard offerings of the various science departments. The members of the faculty committee indicated above serve as advisors to students and administrators of the honors program, the comprehensive examination, and other departmental functions. Admission to this major will be considered on a case by case basis. Any student who feels he might benefit from such a program is urged to consult with a committee member as early as possible to discuss his particular case and to consider feasible lines of study. Final acceptance of an applicant to the major will be determined by the committee as a whole. No student will be admitted to the program after ten days of the second semester of his Junior year.

*Major Program:* All students will be required to complete the following courses:

Math 11, 12; Chemistry 11, 32; Physics 13, 14, 28

In addition, each student must select at least four more courses to complete a program exhibiting a coherent structure relevant to his educational goals. These selections must be made from the offerings of Division III (Mathematics and Natural Sciences) and in consultation with a committee member. Final approval of any program must be obtained from the Committee as a whole. History of Science and Philosophy of Science courses may also be considered in the elective category. A comprehensive exam concerning the material of the required courses, but also covering elective courses on an individual basis, will be given during the first semester of the senior year.

*Honors Program:* A candidate for degree with honors must complete 2 electives beyond the basic program described above and in addition must take Natural Sciences 77, D78. With the approval of the committee, an honors candidate may choose to do his senior honors work with any interested faculty member in the associated sciences. Examples of relevant topics for thesis work are: A) Development of pedagogical material for secondary school science courses. B) Development of lecture demonstrations and laboratory experiments for introductory college level science courses. C) Development of the materials and ideas necessary to communicate an understanding of some aspects of science to a non-specialist. D) An original presentation in the history of science. E) A research project in any of the associated science departments.



## AMHERST COLLEGE

The comprehensive exam, with additional individually designed portions, must also be taken by honors candidates in the first semester of the senior year.

**77, D78. Natural Sciences Honors.** Individual, independent work on a problem approved by the committee, culminating in the presentation of a thesis. Elective for seniors admitted to the honors program. Full course first semester. Double course second semester. The Committee.

**97, H97, 98, H98. Special Topics.** Independent Reading. Full or half course. First and Second semesters.

## PHILOSOPHY

Professors Epstein, Kennick\* and Pemberton; Assistant Professors Sicha, G. Barnes, and A. Barnes.

*Major Program.* Problems of Inquiry 1; eight courses in philosophy, necessarily including Philosophy 17 and 18; the comprehensive examination, consisting of two written examinations, one in the history of philosophy and the other on a topic of the student's choice, e.g. ethics, logic, metaphysics.

Majors and majors with honors may also be taken in combined fields, e.g. Philosophy and Mathematics, Philosophy and History, Philosophy and Psychology, with the approval of the departments concerned. The selection of courses to constitute such combined majors, the topic for an original essay and the arrangements for comprehensive examinations must in each case be approved in advance by representatives of the departments concerned.

*Honors Program.* Problems of Inquiry 1; eight courses in philosophy, necessarily including Philosophy 17 and 18, 13 or 26, 14, and 77 and 78; the writing of an acceptable thesis; the comprehensive examination, consisting of two written examinations, one in the history of philosophy and the other on a topic of the student's choice, and an oral examination on the thesis and related topics.

*Distribution Sequences.* Two-course sequences: 17 and 18; 11 (11s) or 13 or 26 and, subject to prerequisites, any other course in philosophy; but not any of the following combinations: 11 and 13, 11 and 26, 13 and 26. Three-course sequences: subject to prerequisites, any three courses in philosophy, only one of which may be 11 (11s), 13, or 26.

\*On leave 1968-69.

**11. Introduction to Philosophy.** Training in philosophical reasoning. Classical and contemporary authors, chosen to exemplify basic problems of philosophy, will be discussed. Three class hours per week.

Elective for Freshmen. Each section limited to 25 students. First semester. Professor Epstein and Professor G. Barnes.

**11s. Introduction to Philosophy.** Training in philosophical reasoning. Classical and contemporary authors, chosen to exemplify basic problems of philosophy, will be discussed. Three class hours per week.

Elective for Freshmen. Each section limited to 25 students. Second semester. Professor Epstein and Professor A. Barnes.

**13. Introduction to Logic.** Primarily a discussion of the basic elements of propositional logic (symbolization, proof, truth-tables and validity) and quantificational logic (variables, symbolization, proof and invalidity). Additional topics will be taken from the following: identity and description; axiomatic and tree-proof formulations of first-order logic; many-valued, modal and intensional logic; the formulation of first-order theories. Three class hours per week.

Elective for Freshmen. First semester. Professor Sicha.

**14. Ethics.** A wide range of views on the nature of morality, and on what a person must do to be moral, will be discussed.

Elective for Freshmen. Second semester. Professor G. Barnes.

**17. History of Ancient and Medieval Philosophy.** A survey of European philosophy from the early Greeks to the end of the Middle Ages, with emphasis on the presocratic philosophers, Plato, Aristotle, St. Augustine, and St. Thomas Aquinas. Reading and discussion of selected works of the period. Three class hours per week.

Elective for Freshmen. First semester. Professor G. Barnes.

**18. History of Modern Philosophy.** A survey of European philosophy from 1500 to the present, with emphasis on Descartes, Leibniz, Spinoza, Locke, Berkeley, Hume, and Kant. Reading and discussion of selected works of the period. Three class hours per week.

Requisite: Philosophy 17 or the consent of the instructor. Elective for Freshmen. Second semester. Professor Sicha.

**21. American Philosophy.** A study of the modern period in American thought. Reading and discussion of works by Peirce, James, Royce, Santayana, Veblen, Dewey and others. Three class hours per week.

Elective for Sophomores. First Semester. Omitted 1968-69.

**23. Philosophy of Education.** A comparative and critical study of contemporary theories of education, in terms both of their historical origins and of current problems and controversies. Three class hours per week.

Elective for Sophomores. First semester. Omitted 1968-69.

**26. Symbolic Logic.** A rigorous formal treatment of first-order logic, including a discussion of consistency and completeness. Subsidiary material will include a discussion of the fundamentals of naive set theory, the construction of the real numbers from the natural numbers, the logicist and set-theoretic constructions of the natural numbers. Also, the content of Gödel's theorem will be briefly discussed.

Requisite: Philosophy 13 or the consent of the instructor. Elective for Sophomores. Second semester. Professor Sicha.

**28. Introduction to the Philosophy of Science.** An examination of two major aspects of the physical and social sciences. (1) Concept formation: interpreted and uninterpreted systems, theory of measurement and the relation between measurement and theory, the specification of elementary and abstract terms, the reduction of theories. (2) Explanation, prediction and confirmation: individual events and laws, the logical character of scientific laws and theories, deductive explanation and its probabilistic, genetic and teleological alternatives, relations and distinctions between explanation and prediction, probability and confirmation.

Detailed results will be brought to bear on such representative issues as: space and geometry in physical theory, causality and indeterminism in physics and history, mechanism and vitalism in biology, methodological individualism in social science.

Requisites: Philosophy 13 or 26, or consent of the instructor. Elective for Sophomores. Second semester. Professor Epstein.

**31s. Aesthetics.** A critical examination of selected theories of the nature of art, expression, creativity, artistic truth, aesthetic experience, interpretation and criticism. Special emphasis is placed on the thought of modern philosophers and critics. Three class hours per week.

Requisites: two courses in philosophy, or one course passed with a grade of 80 or better, or the consent of the instructor. Elective for Juniors. Second semester. Omitted 1968-69. Professor Kennick.

**32f. Metaphysics.** A critical examination of selected metaphysical theories in the light of the arguments used to support them. The topics of sample theories include: appearance and reality; sense-data; solipsism; space, time, and infinity; universals; the existence of God; the nature of mind.

Requisite: two courses in philosophy, or one course passed with a grade of 80 or better, or the consent of the instructor. Elective for Juniors. First semester. Professor Sicha.

**33. Philosophy of Religion.** An examination of some basic religious concepts in the light of philosophical analysis. Among topics to be considered are the nature and status of religious knowledge, the existence and nature of God, and some religious views of human nature and conduct. Three class hours per week. Same course as Religion 33.

## PHYSICAL EDUCATION

Requisite: Religion 16, or Philosophy 11 or 17, or consent of the instructor. Elective for Juniors. First semester. Omitted 1968–69. Professor Pember-ton.

**61. Topics in Philosophy.** An examination of some of the epistemological, logical and ontological problems associated with the concepts of denoting, referring and naming. Readings will include the critically important papers of Frege, Meinong, Russell, Strawson and Quine.

Requisite: two courses in philosophy or the consent of the instructor. Elec-tive for Juniors. First Semester. Professor Epstein.

**62. Topics in Philosophy.** An examination of formalist and utilitarian moral theories as grounds for a concept of the best possible world. Special empha-sis on Kant and J. S. Mill.

Requisite: Philosophy 14 and 18, or the consent of the instructor. Elective for Juniors. Second semester. Professor G. Barnes.

**77. Conference Course.** Required of candidates for honors in philosophy. The writing of an original essay on a topic chosen by the student and ap-proved by the Department.

Elective for Seniors. First semester. The Department.

**D78. Conference Course.** Required of candidates for honors in philosophy. A continuation of Philosophy 77. A double course.

Elective for Seniors. Second semester. The Department.

**97. Special Topics.** Independent Reading Course. Reading in an area selected by the student and approved in advance by a member of the Department.

Requisite: two courses in philosophy, or one course passed with a grade of 83 or better, and the consent of the instructor. First semester.

**98. Special Topics.** Independent Reading Course. Same as Philosophy 97. Second semester.

## PHYSICAL EDUCATION

Professors Dunbar, Lumley,\* McCabe, Ostendarp, Richardson (Chairman) and Wilson; Associate Professor Serues; Assistant Professors Dunklee, Gooding, Mehr, Terrill and Thurston.

Complete physical examination, physical fitness tests, special exercises for individual development and a program of instruction and participation in team games and sports. Required for Freshmen and Sophomores and men

\*On leave 1968–69.

who have not met the department standards in swimming, fitness, team games, and recreational sports.

## PHYSICS

Professors Benson, Dempsey, Gordon,\* Romer (Chairman) and Towne; Assistant Professors Duffy, Haines and Watson.

*Major Program.* The minimum course requirements for a major in physics are as follows:

*Class of 1969:* Mathematics 1, 2 and either 3, 31 or 12, 21; Chemistry 31, Physics 1, 2, 24, 31, 51, 52 and 28 or H55, H56.

*Class of 1970 and following classes:* Mathematics 11, 12, 21; Chemistry 31, Physics 13, 14, 26, 27, 28, 33.

In addition, all physics majors will attend the Physics Seminar during their junior year, and will participate actively in it in the senior year. Majors will be required to demonstrate ability in computer programming. Students should consult the Department for information concerning the various ways this requirement can be satisfied. Senior majors must pass a written comprehensive examination.

Problems of Inquiry III is not required of physics majors and is not recommended for students who are taking or have taken Physics 13 or 13s. (However, some students who plan to take Physics 13 or 13s may be advised to take Problems of Inquiry 3 before taking Physics 13s.)

*Honors Program.* The course requirements for a major with honors are the specific courses listed above, plus Mathematics 22 (or 32), Physics 58, 77 and 78. (For students intending to make a career in physics, Physics 73 and 75 are strongly recommended.) At the end of the first semester of the senior year, the student's performance on the first comprehensive examination, together with his progress on his honors problem will determine the advisability of his being allowed to continue the honors program.

Any student considering a major in physics should seek the advice of a member of the Department as early as possible in order to work out a program best suited to his interest and ability, whether he is considering a career in physics, engineering, secondary school science teaching, one of the inter-science fields such as biophysics, or a non-scientific career. Mathematics 11 must be taken no later than the first semester of freshman year to complete an honors major and no later than the first semester of sophomore year to complete a rite major. Prospective physics majors should plan to take Physics 26 at the earliest convenient time. It should be noted that, at the discretion of the instructor, stated prerequisites may be waived if war-

\*On leave 1968-69.



ranted by individual circumstances. Students interested in majoring in biophysics should consult the separate biophysics listing.

The aim of honors work in physics is to provide an opportunity for the student to develop under faculty direction his ability and interest in individual investigation, and his skill in experimental or theoretical techniques. The primary fields of experimental research in progress in the department are low temperature physics, nuclear magnetic resonance, mass spectrometry and oceanography. In addition, however, experimental equipment is available for work in some phases of magnetism, X-rays, optics, electronics, and atomic and nuclear physics. The student is given facilities to review the literature in the field chosen, to design, construct and assemble his experimental equipment, to perform experiments, and finally to prepare a thesis, which is due in May. During the spring, he will also present his work in the Physics Seminar, and at the end of the second semester, he will take an oral examination, in addition to the written comprehensive examinations required of all physics majors (see above). This oral examination is devoted primarily to the student's thesis and to questions suggested by his work on the written comprehensive examinations.

The departmental recommendation for the various degrees of honors will be based on the student's record in the Department, the honors work, and the comprehensive and oral examinations.

*Distribution Sequences.* Physics 11, 12 constitute a two-semester sequence intended primarily for non-science majors. Mathematics 11, Physics 13 or Physics 13, 14 constitute a two-course sequence and Mathematics 11, Physics 13, 14 a three-course sequence. None of these sequences is open to students who have completed Science 1-2 in the former curriculum.

Further information on the physics program is contained in a booklet, "Physics at Amherst College," available from the Admission Office.

**11. The Rise of Twentieth-Century Physics.** Physics 11 and Physics 12 constitute a two-course sequence, intended primarily for non-science majors. Emphasis is placed on topics and conceptual problems which have played especially important roles in the development of physics and have influenced other areas of thought. Topics from mechanics and gravitation, optics, electromagnetism, and the two revolutionary conceptual developments of this century: relativity and quantum theory. Wave-particle duality and indeterminism. Discussion of some contemporary unsettled problems concerning the "fundamental particles" from an introductory point of view. Any needed mathematics beyond algebra and elementary trigonometry will be developed as the need arises. Three class hours per week and occasional laboratories.

Elective for Freshmen. First semester. Professor Romer.

**12. The Rise of Twentieth-Century Physics.** The second semester of the course outlined above under Physics 11.

Requisite: Physics 11. Second semester. Professor Dempsey.

**13. Introductory Physics.** Kinematics in three dimensions; Newton's laws of motion; the conservation of linear momentum and energy; rotational kinematics and dynamics; angular momentum; the motion of charged particles in electric and magnetic fields. Four hours of lecture and discussion and one three-hour laboratory per week.

Requisite: Mathematics 11 or its equivalent. Elective for Freshmen. Not open to students who have completed Science 1-2 or Physics 5 in the former curriculum. (Students who have not had high school physics should consult with the Department and may be advised to take Problems of Inquiry 3 before entering Physics 13.) First semester. Professors Towne and Watson.

**13s. Introductory Physics.** Same course description as Physics 13.

Second semester. Professors Haines, Watson and Towne.

**14. Introductory Physics (second part).** Development of elementary field concepts of electricity and magnetism; behavior of transient d-c and a-c electrical circuits; analysis of the experimental evidence supporting a belief in the existence of electrons, photons and other elementary particles, Rutherford's concept of the nucleus, and the Bohr model of the atom; origins of nuclear physics. Four hours of lecture and discussion and one three-hour laboratory per week.

Requisite: Physics 13 or 13s. Elective for Freshmen. Not open to students who have completed Science 1-2 or Physics 5 in the former curriculum. Second semester. Professor Benson.

**14f. Introductory Physics (second part).** Same course description as Physics 14.

First semester. Professors Benson and Haines.

**H21. Experiments in Modern Physics.** This course is designed to introduce the student to some of the important tools of modern experimental physics. Included in the course will be experiments with the mass spectrometer, omegatron, beta-ray spectrometer, Stern-Gerlach apparatus, nuclear magnetic resonance spectrometer, laser beam, and nuclear counting equipment. Special emphasis will be placed on high vacuum techniques and methods of detecting and measuring radio-activity. One class meeting and one four-hour laboratory per week. A half course. This half course may be paired with Mathematics H23, the pair to be counted as equivalent to one full course.

Requisite: Physics 14 or 14f or 24. Elective for Sophomores. First semester. Omitted 1968-69.

**26. Mechanics.** Solution of problems in one-dimensional motion; central forces; the two-body problem; rotating frames of reference; special relativity. Four class hours per week.

Requisite: Physics 14 or 14f, Mathematics 21 or 21s. Elective for Sopho-

mores. Replaces Physics 51 in the former curriculum. Second semester. Professor Watson.

**27. Wave Phenomena.** General characteristics of wave motion approached through the wave equation and the solution to boundary value problems. Energy relationships, diffraction, interference, reflection, refraction and polarization. Normal modes and eigenfunction expansions. Each phenomenon will be discussed in the context of either optics or acoustics depending upon the relative importance of its application in the two fields. Four class hours per week and occasional laboratories.

Requisite: Physics 14 or 14f, Mathematics 21 or 21s. Elective for Sophomores. Replaces Physics 52 in the former curriculum. First semester. Professor Towne.

**28. Electrical Measurements and Electronics.** Assigned reading, problems and laboratory work dealing with electrical and magnetic measurements, d-c, and a-c circuits, vacuum tube and transistor electronics, and microwave measurements. In special cases experiments may be selected to fit the needs of individual students. Two hours of lecture and two three-hour laboratories per week.

Requisite: Physics 14 or 14f and Mathematics 12 or Physics 24. Elective for Sophomores. Second semester. Professors Duffy and Romer.

**33. Modern Physics.** Twentieth century developments in physics. Photo-electric effect, Bohr's quantum theory, atomic spectra and the vector model of the atom, X-rays, selected topics in nuclear physics, introduction to Schrödinger wave mechanics. Four hours of lectures and discussion and one three-hour laboratory per week.

Requisite: Physics 26. Corequisite: Physics 27. (i.e. Students wishing to take Physics 33 should plan either to have already taken Physics 27, or to take Physics 27 concurrently with Physics 33.) Offered for the first time in 1968-69. Replaces Physics 31 in the former curriculum. First semester. Professors Haines and Dempsey.

**34. Solid State Physics.** Selected aspects of the behavior of solids, emphasizing those features which can be understood with simple models. Lattice vibrations and the Debye theory of specific heats, thermal conductivities, dielectric behavior, magnetic properties of diamagnetic, paramagnetic, and ferromagnetic solids, the free electron model of metals, elementary band theory, semi-conductors, superconductivity. Four class hours per week.

Requisite: Physics 31 or 33. Second semester. Professor Duffy.

**58. Electromagnetic Theory.** A development of Maxwell's electromagnetic field equations and some of their consequences. Electrostatics, potential theory, static magnetic fields, macroscopic theory of dielectric and magnetic materials, Poynting's theorem, electromagnetic waves, radiation from an accelerated charge. Four class hours per week.

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Requisites: Either Physics 51 or 26. Second semester. Professor Dempsy.

**73. Analytical Dynamics and Wave Mechanics.** Lagrangian and Hamiltonian formulations of classical mechanics. Calculus of variations and Fourier integral analysis. Quantum mechanical expectation values, Ehrenfest's theorem, uncertainty principles. Eigenfunctions of square potentials, harmonic oscillator, hydrogen atom. Four class hours per week.

Requisites: Mathematics 32 or 22; Physics 51 or 26; Physics 52 or 27. Elective for Juniors. First semester. Professor Watson.

**74. Quantum Mechanics.** Time evolution of states, approximation techniques, electron spin, the exclusion principle, scattering theory, transformation theory. Four class hours per week.

Requisite: Physics 73. Elective for Juniors. Second semester. Professor Haines.

**75. Thermodynamics and Statistical Mechanics.** First, second and third laws of thermodynamics with applications to various physical systems. Phase transitions. Applications to low temperature physics, including superconductors and liquid helium. Introductory kinetic theory and statistical mechanics. Applications of Fermi-Dirac and Bose-Einstein statistics. Four class hours per week.

Requisites: Mathematics 32 or 21, Physics 51 or 26, and Physics 31 or 33. Starting in 1968-69, Chemistry 31 or 31s will also be a prerequisite, and more advanced material will be added to this course. First semester. Professor Duffy.

**77. Honors Course.** Individual, independent work on some problem, usually in experimental physics. Reading, consultation and seminars, and laboratory work.

Elective for Seniors who have been admitted to the honors program. First semester. The Department.

**D78. Honors Course.** Same course description as Physics 77. A double course.

Requisite: Physics 77. Second semester. The Department.

**97, H97, 98, H98. Special Topics.** Independent Reading Course. Full or half course.

First and second semesters.

## POLITICAL SCIENCE

Professors Kateb, Latham (Chairman), and Ziegler; Assistant Professors Arkes and Dinkelspiel; Mr. Taubman.

*Major Program.* A major in political science consists of nine courses in polit-

## POLITICAL SCIENCE

ical science. Political Science 11 or 11s is a prerequisite for all majors, and for non-majors satisfying a distribution requirement in political science.

There are four major study areas within the Department as follows: American government, comparative politics, international relations, and political theory. The *basic courses* in each of these divisions are, respectively, Political Science 21; Political Science 25; Political Science 26; and Political Science 28. Five of the nine courses required for a major in political science must be Political Science 11 or 11s and the four basic courses in the indicated divisions.

*Rite* majors are required to take Political Science 76 in their senior year.

All majors in political science are required to pass a comprehensive examination in political science in the spring of their senior year. This examination will cover the discipline as a whole and will be written or oral or both written and oral as the Department may prescribe.

*Honors Program.* The honors program is designed to provide qualified students in political science with full opportunity for independent research and writing. Candidates for honors in political science will take Political Science D77 and 78.

*Distribution Sequences.* Non-majors satisfying a two- or three-course distribution requirement in political science will take Political Science 11 or 11s and any other course or courses in the Department. Non-majors not satisfying a distribution requirement in political science may, in their sophomore, junior and senior years, elect any course in the Department.

**11. Introduction to Political Science.** An analytical treatment of the role of politics in human society. Attention will be given to the theoretical and historical bases of political institutions, the social roots of political behavior, and the characteristics of the political process. Three class meetings per week.

First semester. Professor Latham.

**11s. Introduction to Political Science.** Same description as above.

Second semester. Professor Latham.

**21. American Government.** An introduction to the major problems of American democracy; their political, economic and social implications and their historical evolution. Politics and administration in their relation to constitutional government, federalism, suffrage, governmental functions, etc. Four class meetings per week.

First semester. Professor Ziegler.

**25. Politics and Society.** An examination of how contemporary political systems influence, and are influenced by, changing social and economic conditions. Primary attention is given to politics in the three representative Euro-



pean countries: Great Britain, France, and the Soviet Union. The political aspects of such problems as the concentration of economic power, the growth of the Welfare State, the decline (or persistence) of class distinctions, the growth of bureaucratic influence are discussed in a comparative setting. Three class meetings per week.

First semester. Professor Dinkelspiel.

**26. World Politics.** International conflict and cooperation in historical and contemporary perspective. The struggle for power, the search for order and the limits of each. Special attention will be given to the national perspectives and foreign policies of the United States, the Soviet Union, and China. Three class meetings per week.

Second semester. Professor Taubman.

**27. The Politics of the Soviet Bloc.** Beginning with a study of the Soviet political model and a comparison of that model with the political systems of other Communist states, the course will concentrate on the intra-bloc politics and international relations of the Communist bloc.

First semester. Mr. Taubman.

**28. Political Theory from Hobbes to the Present.** A study of some of the major writers who have dealt with questions of political practice and political morality in a systematic way. Three class meetings per week.

Second semester. Professor Kateb.

**31. Political Parties.** An analysis of the place of the political party in the modern political system. Primary emphasis is given to party as a factor in defining the character of the political regime: party as a reflector and modifier of legal institutions; the effect of party on voting and legislative behavior; the relations among parties, bureaucracy, and outside groups; the economic and social consequences of party structure. The principal focus will be on American politics, but comparative materials will also be drawn from European and non-Western countries. In election years, classroom work will be supplemented by participation in a political campaign. Three class meetings per week.

First semester. Professor Arkes.

**32. Problems in Urban Politics.** The city as a distinct theater of politics. Attention will be given to political machines, minority groups, the linkage between local and national politics, and selected policy problems. Conference course.

Limited to twenty-five students with the consent of the instructor. Second semester. Professor Arkes.

**33s. Public Opinion.** An exploration of public opinion in its distinctly political aspects: public opinion as regulating the scope of the political system; the relation between opinion and authority; the tests and contents which

make some opinions more justified in ruling. Attention will be devoted to the measurement of opinion; the influence of demographic factors; the impact of small groups, the media, and voluntary associations. Opinion surveys will be combined with writings on political theory; and there will be some consideration also of the empirical commitments which may arise from using the language of "public opinion" and "public interest" in political discourse. Classroom work plus participation in the design, administration, and analysis of an opinion survey. Three class meetings per week.

Second semester. Professor Arkes.

**41. American Constitutional Development.** The development of American constitutional philosophy since 1787 under three general heads: the Agrarian Constitution, the Laissez-Faire Constitution, and the Welfare Constitution. Topics will include the Marshall and Taney eras, constitutional problems of slavery, the Civil War and Reconstruction, the constitutional foundations of 19th century capitalism, constitutional problems of federal and state regulation, civil liberties in the 20th century, the constitutional crisis of 1935-1937, and current problems of constitutional interpretation. Attention will be given to the judicial philosophies of the Federalist and Jacksonian judges, Field, Miller, Waite, Harlan, Holmes, Brandeis, Stone, Black, and Frankfurter. Three class meetings per week.

First semester. Professor Latham.

**42. Administrative Law.** An introduction to the American system of legal control exercised by other law administering agencies than the courts, with special reference to doctrines developed by the Interstate Commerce Commission, Securities and Exchange Commission, Federal Trade Commission, and the National Labor Relations Board. The course deals with the formulation of legislative purposes and administrative policies; administrative and judicial responsibilities for the enforcement of agency programs; and the nature and extent of judicial control over administrative action. Three class meetings per week.

Limited to 25 students. Second semester. Professor Ziegler.

**43. Bureaucracy and Modern Society.** Bureaucracy as the center of the problem of politics in modern society. Topics will include bureaucracy as a system of domination; the social preconditions and consequences of bureaucratization; the relation of administrative agencies to interest groups and political parties; and the administrative structure as a reflection of the culture and the political regime. Case studies on American bureaucracy will be used as a basis for cross-national comparisons. The inquiry will respond to the concerns about bureaucratic power and social organization which have been raised by such writers as Marx, Weber, Tocqueville, and Gandhi, as well as contemporary social scientists. Three class meetings per week.

First semester. Professor Arkes.

**44. Politics in Developing Nations.** An examination of the role of politics in the process of modernization in the developing nations of Africa, Asia and Latin America. Particular attention is given to such topics as the fragmenting and integrating influences of nationalism, the strengths and weaknesses of the single party system, the appeals of communism, the role of the military, the sources of stability and revolution, the problems of managing economic development. Three class meetings per week.

Second semester. Professor Dinkelspiel.

**46. International Law.** The historical basis and present trends in the development of international law will be discussed and related to the social, economic, and political aspects of present day world politics and government. Four class meetings per week.

Second semester. Omitted 1968-69. Professor Ziegler.

**48. American Political Thought.** A study of some of the major political ideas which have been formulated in response to American conditions from colonial times to the present. Connections with European thought will also be discussed. Three class meetings per week.

Second semester. Omitted 1968-69. Professor Kateb.

**49. Political Theory from Plato to Machiavelli.** A study of some of the major writers who have dealt with questions of political practice and political morality in a systematic way. Readings and discussion. Three class meetings per week.

First semester. Professor Kateb.

**52. Problems in Public Policy and Administration.** Selected topics in public policy and administration. Conference course.

Limited to twenty-five students with the consent of the instructor. Second semester. Omitted 1968-69. Professor Latham.

**54. Problems of Political Change and Political Order.** The political means for managing major processes of change in contemporary societies are examined in a comparative perspective. Intensive study of a single broad topic, varying from year to year. Representative topics are: politics and economic growth; pluralism and authoritarianism in new nations; technocracy and political responsibility; the future of the "domesticated" Communist parties of Western Europe. Conference Course.

Limited to fifteen students, with the consent of the instructor. Second semester. Professor Dinkelspiel.

**57. Problems of International Politics.** Selected topics in international politics. Conference course.

Limited to fifteen students with the consent of the instructor. First semester. Mr. Taubman.

## PSYCHOLOGY

**59. Contemporary Political Thought.** A study of some of the major writers who have tried to come to terms with the political features of modernity. Among those read are the radical romantics; the existentialists; the inheritors of Marx and Freud; and the positivists and their enemies. Conference course.

Limited to fifteen students with the consent of the instructor. First semester. Professor Kateb.

**76. Senior Rite Seminar.**

Second semester. Professor Latham.

**D77-78. Honors Course.** Double course, full course: totaling three full courses.

Elective for Seniors who have satisfied the necessary requirements. First and second semesters. The Department.

**97, 98. Special Topics.**

First and second semester.

## PSYCHOLOGY

Professors Coplin and Koester (Chairman) and Visiting Professor Birney; Associate Professors Grose and Olver; Assistant Professors Robinson and Schneider.

*Major Program.* Students majoring in psychology are required to elect eight full courses in psychology or closely allied fields. No more than one or two courses may be taken in allied fields. Psychology 11 should be elected no later than the sophomore year by students who plan to major in psychology. All majors are required to elect Psychology 23 no later than the junior year.

A comprehensive examination is given to all majors during the second semester of the senior year.

*Honors Program.* Students who are accepted for honors work are required to complete a research project during the senior year and to pass an oral examination based upon a written thesis. Students who plan to do honors work are expected to engage in exploratory study during the second semester of the junior year for the purpose of defining the nature of the research project to be done during the senior year. Psychology 77 will count as one full course, and Psychology 78 as a double course.

*Distribution Sequences.* The distribution requirement in the social science division may be satisfied in psychology by the election of Psychology 11 and any full advanced course(s).

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**11. Introduction to Psychology.** An introduction to the nature of psychological inquiry with emphasis upon the major theoretical positions. Laboratory instruction in the design and interpretation of experiments chosen to demonstrate important classes of psychological phenomena. Three class meetings per week and laboratory sessions.

Elective for Freshmen. First semester. Professor Birney and staff.

**11s. Introduction to Psychology.** An introduction to the nature of psychological inquiry with emphasis upon approaches that may be taken in the attempt to develop a body of psychological knowledge, both empirical and theoretical. Three class meetings per week and discussion sections.

Elective for Freshmen. Second semester. Professor Koester.

**20. Experimental Social Psychology.** A social psychological analysis of individual and group behavior with emphasis on recent theories and experimental approaches to selected theoretical issues. Three class meetings per week with scheduled laboratories.

Requisite: Psychology 11. Elective for Freshmen. Second semester. Professor Schneider.

**21. Personality.** A survey of the theoretical and experimental literature of personality analysis. Emphasis is on the use of psychometric tests as research devices in the testing of personality theory. Three class meetings per week.

Requisite: Psychology 11. Elective for Sophomores. First semester. Limited to twenty-five students. Professor Schneider.

**22. Perception.** A study of the environmental variables and underlying physiological processes which determine basic properties of human perception. Three class meetings per week with scheduled laboratories.

Requisite: Psychology 11. Elective for Freshmen. Second semester. Professor Robinson.

**23. Research Design and Quantitative Methods.** A study of psychological research procedures and quantitative methods, especially statistical procedures, that are used in the analysis and interpretation of findings obtained by means of experimental and empirical methods. Three class meetings a week.

Requisite: Psychology 11. Elective for Sophomores. First semester. Professor Koester.

**24. Cognition and Perception.** A study of cognitive processes, including perceptual phenomena, with emphasis upon the techniques by which man represents his world and the consequences of representation for behavior. Three class meetings per week.



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Requisite: Psychology 11. Elective for Freshmen. Second semester. Omitted 1968–69. Professor Olver.

**25. Learning and Behavior Theory.** A study of principles of learning with emphasis on current research and theoretical formulations. Three class meetings a week and laboratory sessions.

Requisite: Psychology 11. Elective for Sophomores. First semester. Professor Robinson.

**26. Physiological Psychology.** A study of the physiological foundations of animal and human behavior with emphasis on the role of the central nervous system in motivation, attention, learning, and memory. One seminar and one laboratory period per week.

Requisite: Psychology 11. Elective for Freshmen. Second semester. Professor Robinson.

**27. Developmental Psychology.** A study of human development with emphasis upon the general characteristics of various stages of development from birth to adolescence and upon general determinants of the developmental process. One two-hour seminar per week.

Requisite: Psychology 11. Elective for Sophomores with the consent of the instructor. Limited to fifteen students. First semester. Omitted 1968–69. Professor Olver.

**28. Abnormal Psychology.** A study of the etiology and psychodynamics of psychological deviance with a focus on the psychological diagnosis and psychotherapy of the behavior disorders. Three class meetings a week.

Requisite: Psychology 11. Elective for Freshmen. Second semester. Professor Coplin.

**H29. Marriage and the Family.** A study of biological, psychological, and sociological findings concerning premarital and marital interpersonal relationships. Two class meetings per week. A half course.

Elective for Sophomores. First semester. Professor Coplin.

**30. Viewpoints and Theory.** A study of basic issues in psychological inquiry with emphasis upon those which pertain to systematic and theoretical formulations. Special attention will be given to the nature of explanation and theorizing in psychology. Three class meetings a week.

Requisite: Psychology 11. Elective for Juniors. Second semester. Professor Koester.

**32f. Introduction to Psychoanalytic Thought.** A study of psychoanalytic attempts to provide a theoretical understanding of human personality.

Requisite: Psychology 11. Elective for Sophomores. First semester. Professor Koester.

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**34. Educational Psychology.** A psychological analysis of the educational process. The course is designed both for prospective teachers and for those who have a general interest in the field of education. One two-hour seminar a week.

Requisite: Psychology 11. Elective for Sophomores with the consent of the instructor. Limited to fifteen students. Second semester. Professor Grose.

**41. Psychology Seminar.** Members of the Department will occasionally offer seminars designed to give the student an opportunity to study a selected topic in depth. See the departmental representative for the topic of the seminar.

Requisites are contingent upon the nature of the topic to be discussed. Elective for Juniors with the consent of the instructor. Limited to fifteen students. First semester. Professor Robinson.

**42. Psychology Seminar.** Same type of course as Psychology 41.

Elective for Juniors with the consent of the instructor. Limited to fifteen students. Second semester. Professor Schneider.

**77, D78. Senior Honors Course.** A full course and a double course.

Elective for senior majors in psychology who have received departmental approval. First and second semesters.

**97, H97; 98, H98. Independent Study or Research.** This course is open to qualified students who desire to engage in independent reading on selected topics or conduct research projects. Preference will be given to those students who have done good work in one or more departmental courses beyond the introductory level. A full course and a half course.

Elective for Juniors with the consent of the instructor. First and second semesters.

## RELIGION

Professors B. Morgan and Pemberton and Visiting Professor Johnson; Associate Professor Mudge.\*

*Major Program.* Majors in Religion are required to take Problems of Inquiry 1, Religion 11, Introduction to Religion, and seven additional semester courses in Religion or related studies approved by the Department.

All majors are required, early in the second semester of the senior year, to take the comprehensive examination in Religion which will deal with the history and phenomenology of religious traditions, and selected topics from the fields of Bible, religious ethics, historical theology and philosophy of

\*On leave 1968-69.

religion. Further information may be obtained from the members of the Department.

*Honors Program.* Honors in Religion shall consist of Religion 75 Methodology in the Study of Religion, and the conference course, Religion 77, 78, taken in conjunction with a major in Religion (six additional semester courses are required for honors majors); satisfactory fulfillment of the general honors requirements of the College; satisfactory performance in the written comprehensive examination; and the satisfactory preparation and oral defense of a scholarly essay on a topic approved by the Department.

*Distribution Sequences.* Two-course sequences: Religion 11 and 16; Religion 13 and 14; Religion 11 and one of the following courses: Religion 14, 34, 35, 37, 61.

Three-course sequences: One of the above two-course sequences and an additional upper level religion course. With the permission of the Department, a course from another department may be included in a three-course sequence where it is relevant to a special program of study.

**11. Introduction to Religion.** A systematic examination of the phenomenology of religion, its social, cultural, psychological, and personal ramifications, and the facts of similarity and diversity. Two case studies from Asian and Western settings. Four class hours per week.

Elective for Freshmen. First semester. Professors Pemberton and Johnson.

**13. The Old Testament.** Foundations of the Hebrew-Christian tradition in the history, literature, and thought of the Old Testament. Emphasis is placed both on the biblical materials themselves and on the varying methodologies of contemporary Old Testament interpretation. Four class hours per week.

Elective for Freshmen. First semester. Professor Johnson.

**14. The New Testament.** Foundations of the Christian tradition in the history, literature, and thought of the New Testament. Emphasis is placed both on the biblical materials themselves and the varying methodologies of contemporary New Testament interpretation. Four class hours per week.

Requisite: Religion 13 or consent of the instructor. Elective for Freshmen. Second semester. Professor Johnson.

**16. The Western Religious Tradition.** An examination of the development of Jewish and Christian thought from the Talmud and the Church Fathers to the present. Readings will include selections from the Talmud, St. Augustine, Maimonides, St. Thomas Aquinas, Dante, the Reformers, and later Jewish and Christian writers. Four class hours per week.

Elective for Freshmen. Second semester. Professor Pemberton.

**33. Philosophy of Religion.** An examination of some basic religious concepts in the light of philosophical analysis. Among topics to be considered are the nature and status of religious knowledge, the existence and nature of

God, and some religious views of human nature and conduct. Same course as Philosophy 33. Three class hours per week.

Requisite: Religion 16; or Philosophy 11 or 17; or consent of the instructor. Elective for Juniors. First Semester. Omitted 1968-69. Professor Pemberton.

**34. Religion in America.** An examination of the intellectual and social history of religion in America, and its interaction with the changing cultural setting. Intensive study of selected problems in papers and seminars. Same as American Studies 34. Three class hours per week.

Requisite: Religion 11 or consent of the instructor. Elective for Juniors. Second semester. Omitted 1968-69. Professor Morgan.

**35. Contemporary Religious Thought.** An analysis of selected nineteenth and twentieth century religious and secular writers whose thought reflects in criticism and constructive statement the "religious situation" in contemporary Western culture. The readings will be chosen from such writers as Dostoevski, Nietzsche, Kierkegaard, Feuerbach, Freud, Camus, Sartre, Marcel, Buber, Bonhoeffer, Maritain, Dewey, Niebuhr and Tillich. Three class hours per week.

Requisite: Religion 11 or consent of the instructor. Elective for Juniors. First semester. Professor Pemberton.

**37s. Christian Social Ethics: Structure and Practice.** A critical study of ethical teaching and practice in the biblical and church tradition, and of their contribution to a constructive Christian ethic in such areas as power politics, economic life, the meaning of sexuality, the "crisis in communication," and the meaning of racial and cultural difference. Representative Roman Catholic and Protestant theologians. Three class hours per week.

Requisite: Religion 11 or consent of the instructor. Elective for Juniors. Second semester. Professor Morgan.

**62. Myth and Meaning.** The problem of the interpretation of the Bible in the twentieth century. Readings in such scholars as Bultmann, Eichrodt, and von Rad. Reports, papers, and discussion. Limited to ten.

Requisite: Religion 13 and 14, or consent of instructor. Second semester. Professor Johnson.

**75. Methodology in the Study of Religion.** At Amherst, required of and limited to candidates for honors in religion. Methods of interpreting religious phenomena. The relations and distinctions between studies in religion and other scholarly disciplines. Selected examples from various traditions. One meeting a week. Hours to be arranged. The seminar will move from campus to campus throughout the term.

First semester. Professors Bruce Morgan (Amherst), Sten Stenson (Smith), and Todonari Yamashita (Mount Holyoke).

**77. Conference Course.** Required of candidates for honors in religion: Preparation and oral defense of a scholarly essay on a topic approved by the Department. Detailed outline of thesis and adequate bibliography for project required before Thanksgiving; preliminary version of substantial portion of thesis by end of semester.

Elective for Seniors with the consent of the instructors. First semester. The Department.

**D78. Conference Course.** Required of candidates for honors in religion: A continuation of Religion 77. A double course.

Elective for Seniors with the consent of the instructors. Second semester. The Department.

**97. Special Topics.** Independent Reading Course. Reading in an area selected by the student and approved in advance by a member of the Department. First semester. The Department.

**98. Special Topics.** Independent Reading Course. Same description as Religion 97. Second semester. The Department.

## RUSSIAN

Visiting Assistant Professor Leader; Mr. Peterson.

*Major Program.* The major must take six full courses where all reading is done in Russian: if he is a beginner Russian 1, 2, 3, 4, 11, 12; if he is admitted with advanced standing, and needs only four or three or two of the above, he may fill out his program with appropriate advanced Russian-language courses such as Russian 25, 26, 27, 28 or courses of the same level at any of the three neighboring institutions.

The major will take in addition two more full courses where the reading need not be done in Russian, such as Russian 13, 14, 15, 16. He is also strongly urged to take History 41-42, or read a good history of Russia.

The major will take a comprehensive examination in his senior year.

*Honors Program.* In addition to the above the honors candidate must take Russian 77-78 in his senior year and must prepare a 50-page thesis on a topic approved by the Department.

*Distribution Sequences.* Two-course requirement: Russian 11-12 (for the student who has taken Russian 3-4 or its equivalent) or Russian 13-14, or Russian 15-16 (or any combination of the four).

Three-course requirement: for those who have had Russian 3-4 or its equivalent, Russian 11-12 followed by one from among Russian 25, 26, 27



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and 28; for those with less than Russian 3-4 or its equivalent, Russian 13-14, followed by either Russian 15 or 16.

**1. First-Year Russian.** Pronunciation, grammar, oral practice. Three class sessions of grammar and two oral practice sessions per week.

Elective for Freshmen. First semester. Professor Leader.

**2. First-Year Russian.** Same topics as Russian 1: Three class sessions of grammar and two oral practice sessions per week. Professor Leader.

Requisite: Russian 1, or equivalent. Elective for Freshmen. Second semester.

**3. Second-Year Russian.** Review of grammar and pronunciation. Reading and analysis of selected texts, fictional and non-fictional. Three grammar sessions and one oral practice session per week.

Requisite: Russian 2, or equivalent. Elective for Freshmen. First semester. Professor Leader.

**4. Second-Year Russian.** Reading of literary and scientific texts from the 19th and 20th centuries. Three grammar sessions and one oral practice session per week.

Requisite: Russian 3, or equivalent. Elective for Freshmen. Second semester. Professor Leader.

**11. Readings in Russian Literature.** The aim of this course is to develop fluency and accuracy in understanding fairly difficult prose, both fictional and non-fictional. Emphasis will fall on the nineteenth century novel and short story. Three classroom sessions per week.

Requisite: Russian 4, or equivalent. Elective for Freshmen. First semester. Professor Leader.

**12. Readings in Russian Literature.** Continuation of Russian 11. Soviet texts will also be included.

Requisite: Russian 11, or equivalent. Elective for Freshmen. Second semester. Professor Leader.

**13. Survey of Russian Literature, Part I.** An intensive chronological study of the development of Russian prose fiction from the seventeenth-century secular tale to the realistic novels of Turgenev and Goncharov. Discussions of special topics include travel narratives, the verse-novel, story cycles, the picaresque and the grotesque. All readings in English. Two class sessions per week.

Elective for Freshmen. First semester. Mr. Peterson.

**14. Survey of Russian Literature, Part II.** Prose fiction from Dostoevsky and Tolstoy to Nabokov and Tertz (Sinyavsky). With stress on continuities through the Soviet period, discussions will focus on utopias and dystopias,

romantic realism, the epic novel, Symbolist fiction and the fantastic tale. All readings in English. Two class sessions per week.

Elective for Freshmen. Second semester. Mr. Peterson.

**15. Dostoevsky.** A study of representative early works and the major novels. All readings in English. Alternates with Russian 25. Three class sessions per week.

Elective for Freshmen. First semester. Omitted 1968–69.

**16. Tolstoy.** A study of his most important stories, novels and essays. All readings in English. Alternates with Russian 26. Three class sessions per week.

Elective for Freshmen. Second semester. Omitted 1968–69.

**25. Selected Works of Dostoevsky.** All readings in Russian. Alternates with Russian 15. Three class sessions per week.

Requisite: Russian 11–12, or consent of the instructor. Elective for Sophomores. First semester. Omitted 1968–69.

**26. Selected Works of Tolstoy.** All readings in Russian. Alternates with Russian 16. Three class sessions per week.

Requisite: Russian 11–12, or consent of the instructor. Elective for Sophomores. Second semester. Omitted 1968–69.

**27. Golden Age of Russian Poetry, 1800–40.** Reading and analysis of poems by Pushkin, Lermontov, Baratynsky, Tyutchev. All readings in Russian. Three class sessions per week.

Requisite: Russian 11–12, or the consent of the instructor. Elective for Sophomores. First semester. Omitted 1968–69.

**28. Seminar on One Major Russian Writer.** The topic will vary from year to year, but will be other than Tolstoy or Dostoevsky. For 1967–68 the topic will be Nabokov. All readings in Russian. One two-hour and one one-hour session per week.

Requisite: Russian 11–12 or the consent of the instructor. Elective for Sophomores. Second semester. Omitted 1968–69.

**77. Senior Honors Course.** Meetings to be arranged.

Open to, and required of, seniors writing a thesis. First semester. The Department.

**78. Senior Honors Course.** Meetings to be arranged.

Open to, and required of, seniors writing a thesis. Second semester. The Department.

**97, 98. Special Topics.**

First and second semesters. The Department.

## SPANISH

Professor Johnson; Associate Professor Cannon (Chairman); Assistant Professor Rinnander; and assistants.

*Major Program.* The student majoring in Spanish must elect Spanish 21 and 22 and the equivalent of six other semester courses (exclusive of Spanish 1 and 5) offered or approved by the Department. In addition, he must elect a minimum of three courses in another literature (English, French, etc.) and demonstrate a proficiency in spoken and written Spanish. He must also pass a comprehensive examination given by the Department in January of his senior year. A maximum of two half courses may be credited toward the major.

*Honors Program.* Same as above, except that the candidate for honors must elect in addition Spanish 77 and Spanish D78.

*Combined Majors.* Both *rite* and honors majors may be taken in combination with other fields, e.g. Spanish and French, Spanish and Religion, Spanish and Fine Arts. Plans for such combined majors must be approved in advance by representatives of the departments concerned.

*Study Abroad.* Students majoring in Spanish are encouraged to spend a summer, a semester, or a year studying in Spain or Spanish America. Plans for study abroad must be approved in advance by the Department.

*Distribution Sequences.* The distribution requirement may be satisfied in Spanish by electing Spanish 11 and any one or two other courses in the Department (exclusive of Spanish 1 and 5), or by proposing some other sequence and securing approval of it from the Department. With the approval of the Department, a course from another department may be included in a three-course sequence where it is relevant to a special program of study.

**1. Elementary Spanish.** For students who have had no previous study of Spanish or whose CEEB scores in Spanish are under 400. Seven hours a week in class, section, and laboratory.

First semester. Professor Rinnander.

**5. Intermediate Spanish.** For students who have completed Spanish 1 or whose CEEB scores range from approximately 400 to 500. Six hours a week in class, section, and laboratory.

First semester. Professor Johnson.

**5s. Intermediate Spanish.** Same description as Spanish 5.

Second semester. Professor Johnson.

**11. Introduction to Hispanic Literature.** Readings in modern Spanish and Spanish American literature. Three hours a week in class for study of literature, two hours a week in section for language review and practice.

Requisite: Spanish 5, or scores above 500 on the CEEB tests, or permission of the instructor. Formerly Spanish 5. First semester. Professor Cannon.

**11s. Introduction to Hispanic Literature.** Same description as Spanish 11.

Second semester. Professor Johnson.

**21. El Problema de España.** The special circumstances of Spanish literature and the problems of Spanish historical and aesthetic integration into Europe. Readings in literature of the middle ages, renaissance, baroque, enlightenment and modern periods. Emphasis on the role of the artist and intellectual in the formation of a Spanish consciousness. Close study of selected essays, plays, novels, and poems. Conducted in Spanish.

Requisite: Spanish 11, or permission of the instructor. Formerly Spanish 11. First semester. Professor Rinnander.

**22. Spanish America.** An introductory course. Readings in literature of the Precolumbian and Colonial periods, and of the XIXth and XXth Centuries. Emphasis on the search for identity. Close study of selected essays, plays, novels, and poems. Conducted in Spanish.

Requisite: Spanish 11 or permission of the instructor. Second semester. Professor Johnson.

**33. The Picaresque Novel: Studies in Mobility.** Selected readings in the novel of social mobility from its Spanish antecedents in the 16th century to the present. The interaction of individual men with their societies as novelistic theme and the variety of artistic expressions of it. Lectures and discussions in English; readings in the original or in English, according to student ability.

Requisite: satisfaction of the language requirement in French, Spanish, or German, and consent of the instructor. Formerly Spanish H31. First semester. Omitted 1968–69. Prof. Rinnander.

**34. Stylistics.** Examination of the Spanish literary consciousness through modern techniques of criticism. Each semester's work will be grouped around a single problem and involve close study of selected texts, readings in rhetoric and critical theory. Limited to ten students. May be repeated for credit. Topic for Spring 1970: Authority and Growth (*Poema de Mío Cid*, *Criticón*, *La Regenta*).

Requisite: Spanish 21 and permission of the instructor. Formerly Spanish 25s. Second semester. Omitted 1968–69. Professor Rinnander.

**41. Problems in Spanish American Literature.** A careful reading of prose and poetry pertaining to a limited number of Spanish American experiences

## AMHERST COLLEGE

chosen from the 19th and 20th centuries. Two hours of lecture and one hour of discussion per week. Conducted in Spanish.

Requisite: Spanish 21, or permission of the instructor. Formerly Spanish 22. First semester. Professor Johnson.

**43. Cervantes.** A study of the major prose works of Cervantes and their relation to the Golden Age. Emphasis on *Don Quijote de la Mancha*. Conducted in Spanish.

Requisite: Spanish 21, or permission of the instructor. Formerly Spanish 23s. First semester. Omitted 1968-69. Professor Johnson.

**44. The Mystical Tradition in Spanish Literature and Art.** A study of the varieties and forms of mystical expression in Spanish culture. Emphasis on Santa Teresa de Jesús, San Juan de la Cruz, Fray Luis de León, San Ignacio de Loyola, El Greco, Zurbarán, and the *imagineros*. Conducted in English. Readings in the original or in translation, according to student ability.

Requisite: permission of the instructor. Formerly Spanish H30. Second semester. Professor Cannon.

**45. Drama of the Golden Age.** Close reading of selected plays by the major dramatists of the 17th century: Lope de Vega, Calderón de la Barca, Tirso de Molina. Comparison to related French and English works. Conducted in Spanish. Limited to fifteen students.

Requisite: Spanish 21, or permission of the instructor. Formerly Spanish 21. First semester. Professor Rinnander.

**52. Medieval Spain.** A study in pluralistic culture. An interdisciplinary course involving work in literature, art, music, history, and religion. One two-hour lecture period per week, one discussion group meeting per week. Conducted in English. Readings in the original language or in translation, according to student ability.

Requisite: permission of the instructor. Second semester. Professor Rinnander and others.

**77. Conference Course for Seniors.** Preparation of an honors thesis. The Department.

**D78. Conference Course for Seniors.** A double course. Preparation of an honors thesis. The Department.

**97, H97, 98, H98. Special Topics.** The Department.



# Interdisciplinary and Special Programs

## COLLOQUIUM

**26. Literature and Society in the Late Middle Ages.** A study of selected prose and poetry of the 14th, 15th, and early 16th centuries and of the societies in which they were produced. The readings will be considered both as literary creations and as documents that reveal the world their authors knew. Three hours of classroom work per week.

Second semester. Professors Chickering and Cheyette.

## INTERDEPARTMENTAL COURSES

**Readings in Ancient and Modern Literature.** Same course as Classics 25s.

Elective for Juniors. Limited to thirty students. Second semester. Professor J. Moore.

**Tragedy.** Same course as English 70.

**Comedy.** Same course as English 72.

Elective for Sophomores (and Freshmen with the consent of the instructor). Second semester. Omitted 1968-69. Professor DeMott.

**Medieval Spain.** Same course as Spanish 52.

Requisite: permission of the instructor. Second semester. Professor Rinander and others.

## HISTORY OF SCIENCE

History of Science is offered under a Four-College program. Different courses are offered on the respective campuses and are rotated from year to year. A list of specific courses will be found at the Office of the Registrar.

## ASIAN AND AFRICAN STUDIES

The following regular Amherst College courses are included in Asian and African Studies: Economics 36; History 51, 52, 54, and 76f; and Political Science 44.

## AMHERST COLLEGE

A number of courses are offered at neighboring institutions. The number of these has, in recent years, become too large to list here in full. Therefore, interested students are referred to a separate printed list of the many Asian and African courses available in the four-college area during the academic year 1968-69. This list is available from faculty members in the social sciences or in the offices of the Registrar and the Dean of the Faculty.

A general statement on four-college courses will be found in the introduction to the Announcement of Courses. A complete list of descriptions and enrollment information may be obtained from the Registrar.

## LATIN AMERICAN STUDIES

A list of courses has been compiled as an aid to students in the Five-College area seeking programs on Latin America or with Latin American content, containing both general courses which embody topics dealing with Latin America as well as courses devoted substantially or exclusively to the area. The Spanish language is taught at Amherst and Mount Holyoke Colleges, and both Spanish and Portuguese are taught at Smith College and the University of Massachusetts. Mt. Holyoke offers an interdepartmental major in Latin American Studies, while Smith offers two programs in Hispanic-American Studies, one in literature and the second in fields other than literature. A Certificate Program in Latin American Studies will be available, subject to approval, at the University of Massachusetts.

The list of courses in Latin American Studies, complete descriptions of individual courses, and enrollment information may be obtained from the Registrar.

## EDUCATION

Associate Professors Grose, Hawkins and Olver\*.

The following courses offered by the several departments are listed for the convenience of students who are interested in education and teaching.

**Philosophy of Education.** Same course as Philosophy 23.

Elective for Sophomores. First semester. Omitted in 1968-69.

**Developmental Psychology.** Same course as Psychology 27.

Requisite: Psychology 11. Elective for Sophomores with the consent of the instructor. Limited to fifteen students. First semester. Omitted in 1968-69. Professor Olver.

\*On leave 1968-69.

## LEGAL STUDIES

**Educational Psychology.** Same course as Psychology 34.

Requisite: Psychology 11. Elective for Sophomores with the consent of the instructor. Limited to fifteen students. Second semester. Professor Grose.

**Seminar in American Educational History.** Same course as History 66.

Limited to fifteen students. Second semester. Omitted in 1968-69. Professor Hawkins.

## LEGAL STUDIES

Professors Havighurst,\* Latham, and Ziegler

**Foundations of English Law and the Constitution.** Same course as History 39s. Origins of the English Constitution; Growth of Common Law; Evolution of Parliament; Development of Monarchy; selected topics in Constitutional Conflict since 1485. Lectures, discussion and individual projects.

Second semester. Professor Havighurst.

**American Constitutional Development.** Same course as Political Science 41. The development of American constitutional philosophy since 1787 under three general heads: The Agrarian Constitution, the Laissez-Faire Constitution, and the Welfare Constitution. Topics will include the Marshall and Taney eras, constitutional problems of slavery, the Civil War and Reconstruction, the constitutional foundations of 19th century capitalism, constitutional problems of federal and state regulation, civil liberties in the 20th century, the constitutional crisis of 1935-1937, and current problems of constitutional interpretation. Attention will be given to the judicial philosophies of the Federalist and Jacksonian judges, Field, Miller, Waite, Harlan, Holmes, Brandeis, Stone, Black, and Frankfurter. Three class meetings per week.

First semester. Professor Latham.

**Administrative Law.** Same course as Political Science 42. An introduction to the American system of legal control exercised by other law administering agencies than the courts, with special reference to doctrines developed by the Interstate Commerce Commission, Securities and Exchange Commission, Federal Trade Commission, and the National Labor Relations Board. The course deals with the formulation of legislative purposes and administrative policies; administrative and judicial responsibilities for the enforcement of agency programs; and the nature and extent of judicial control over administrative action. Three class meetings per week.

Limited to 25 students. Second semester. Professor Ziegler.

\*On leave first semester, 1968-69.

AMHERST COLLEGE

**International Law.** Same course as Political Science 46. The historical basis and present trends in the development of international law will be discussed and related to the social, economic, and political aspects of present day world politics and government. Four class meetings per week.

Second semester. Omitted 1968-69. Professor Ziegler.

# IV

LECTURESHIPS

HONORS

FELLOWSHIPS

PRIZES AND AWARDS

DEGREES CONFERRED

*The Amherst Science Center*







# Lectureships

**The Henry Ward Beecher Lectureship.** This lectureship fund of \$10,000 was founded by the late Frank L. Babbott, LL.D., of the Class of 1878, in honor of Henry Ward Beecher, of the Class of 1834. The incumbent is appointed biennially by the Faculty for supplementary lectures in the departments of history and the political, social, and economic sciences.

**The Clyde Fitch Fund.** A fund of \$20,000 was established by Captain and Mrs. W. G. Fitch of New York in memory of their son, Clyde Fitch, of the Class of 1886. The income of this fund is to be used for the furtherance of the study of English literature and dramatic art and literature. The whole or part of this income is usually devoted to the remuneration of an eminent lecturer, who may also take a part in the regular instruction of the College.

**The John Woodruff Simpson Lectureship.** A fund now amounting to \$210,500 was established in memory of John Woodruff Simpson, of the Class of 1871, by his wife and daughter. The income is to be used for fellowships and "to secure from time to time, from England, France or elsewhere, scholars for the purpose of delivering lectures or courses of instruction at Amherst College."

**The George William and Kate Ellis Reynolds Lectureships.** A fund of \$150,000 established by the late George W. Reynolds of the Class of 1877 provides an annual income of approximately \$10,000 which is divided into three equal parts to provide lectureships on Christ and Christianity, Science, and American Democracy.

# Honors

## THE PHI BETA KAPPA SOCIETY

**Massachusetts Beta Chapter.** The students elected to membership in this honor society are those of highest standing and are normally candidates for the degree with honors. A preliminary election of outstanding students occurs at the end of the first semester of Junior year; and further elections occur at the end of the first semester and at commencement time of Senior year. Membership is extended to about a tenth of the students in each class.

### OFFICERS

*President:* Professor John Ratté

*Vice-President:* Professor George A. Kateb

*Secretary-Treasurer:* Professor Douglas E. Crabtree

*Undergraduate President:* David E. Altschul '69

*Undergraduate Vice-President:* Eric P. Henry '69

*Undergraduate Secretary-Treasurer:* Richard L. McCormick '69

### INITIATES

#### **Class of 1969**

David Edwin Altschul\*

Eric Putnam Henry\*

Richard Levis McCormick\*

#### **Class of 1968**

Wilbert Andrew Achenbaum, Jr.

Allan Praigrod Albert

Michael Arthur Brintnall

John Turnbull Broad

Robert Melvin Brock, Jr.

Theodore Warren Budlong

Donald Miles Cooper

Frederick Bruce D'Agostino

Richard Armand Dallair

Marc Damashek

David Sterling Davenport

Paul Curtis Daw

Robert Scott Denig

Edwin Bailey Fisher, Jr.

Kenneth David Frank

Richard Brent Frantzreb

James Eliot Goldman

Daniel Jay Goleman

Robert Dale Harrison

Colin Farrish Hasse

Sammy Tung Chuen Hung

Zachary Roger Karol

Eric Stephen Mayer

Jeremiah Putnam Mead

James Harris Mersey\*

Jeffrey Bernard Miller

John Odlin Mirick

Tenney J. Nathanson\*

Thomas Henry Odgen

Mark Austin Peterson\*

\*These students elected in their Junior year.

## HONORS

William Louis Powar  
Jonathan DeMille Prude  
Gordon Louis Radley  
Thomas Bothwell Rice  
Jonathan Benjamin Riess  
Kermit Campbell Smyth  
Felix Joseph Springer

Robert Alexander Taggart, Jr.\*  
Michael Teruki Takemori  
Jacob Lazarus Temchin  
John Holden Thorne, Jr.  
Alan George Wasserstein\*  
Burkhard Elimar Wehner  
David Max Weinstein

## THE SOCIETY OF THE SIGMA XI

Sigma Xi, the National Honorary Scientific Research Society, was founded in 1886; the Amherst Chapter was installed March 23, 1950. As one of its purposes the Society gives recognition to those students, members of the faculty, research associates, and alumni who have demonstrated ability to carry on constructive scientific research or who show definite promise of research ability. Other functions are the maintenance of companionship among investigators in the various fields of science, the holding of meetings for the discussion of scientific subjects, and the fostering of an interest in scientific research in the College.

Undergraduates, masters candidates, and others who show definite promise of research ability are typically recommended to associate membership by the departments concerned. In the case of undergraduates, nomination is usually given only to those students whose promise of research ability would warrant recommendation for at least a degree *magna cum laude* (entirely aside from the question of grades).† At present the chapter has a total membership of some 100 faculty and students.

## OFFICERS

*President:* Professor Dudley H. Towne

*Vice-President:* Professor James Q. Denton

*Secretary-Treasurer:* Professor Bryce M. Hand

## INITIATES 1968

### Associate Membership

Robert Shelton Boger  
John Turnbull Broad  
Roy Scott Chaleff  
Peter John Collings

Marc Damashek  
Jon Kimball deRiel  
Joal Fischer  
Edwin Bailey Fisher, Jr.  
Kenneth David Frank

\* These students elected in their Junior year.

† Full membership is reserved for individuals who have already published at least one scholarly paper.

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James Eliot Goldman  
Louis Robert Holekamp, Jr.  
Sammy Tung Chuen Hung  
Glenn Alan Lux  
Michael Dennis Mulligan  
Mark Austin Peterson  
Thomas Bothwell Rice

James John Rytuba  
Kermit Campbell Smyth  
Robert Alexander Taggart, Jr.  
Michael Teruki Takemori  
Clark Joseph Bullock Tibbetts  
John Andrew Widness

## THE BOND FIFTEEN

From the fifteen Seniors who have attained the highest general standing at the end of the first semester of senior year, two speakers are selected upon the basis of literary and orational merit to deliver orations during Commencement Week End. The Bond Prize of one hundred dollars, given by Ephraim W. Bond of the Class of 1841, is awarded to the speaker who delivers the best oration.

### THE BOND FIFTEEN 1968

Donald Miles Cooper  
Richard Armand Dallair  
David Sterling Davenport  
Kenneth David Frank  
Jeremiah Putnam Mead  
James Harris Mersey  
Thomas Henry Ogden  
Mark Austin Peterson

Jonathan DeMille Prude  
Kermit Campbell Smyth  
Robert Alexander Taggart, Jr.  
Jacob Lazarus Temchin  
Alan George Wasserstein  
Burkhard Elimar Wehner  
David Max Weinstein

## DELTA SIGMA RHO- TAU KAPPA ALPHA

Delta Sigma Rho-Tau Kappa Alpha, a national honor society in forensics, was formed by the merging of Delta Sigma Rho and Tau Kappa Alpha in 1963. Delta Sigma Rho was founded in 1906; the Amherst Chapter was admitted to Delta Sigma Rho in 1913. Tau Kappa Alpha was founded in 1908. The purpose of the Society is to encourage sincere and effective public speaking and to recognize achievement in this field of endeavor. To qualify for membership students must have participated in intercollegiate



## HONORS

debating and be in the top thirty-five per cent of their class. Members-at-large may be elected to recognize outstanding contributions to forensics.

## GRADUATE MEMBERS

Mr. James Alfred Guest

Professor Hugh Dodge Hawkins

# Fellowships

THE College's funds for fellowships aggregate \$538,000. From the income of these funds fellowships are awarded annually to graduates of Amherst College for study in graduate or professional schools. Applications should be made before February 15 on forms available from the Dean of the Faculty.

The names of those to whom fellowships have been awarded for the current year will be found on pages 19-21.

**The Amherst-Doshisha Fellowship.** Amherst-Doshisha Fellowship at Amherst House, Doshisha University, Kyoto, Japan. An opportunity to work in a bi-cultural setting with Professor Otis Cary, Director of Amherst House, is open to young alumni of the College for a term of one, or in some cases, two years. Travel expenses and a modest stipend are paid by the College. The recipient will be given the opportunity of assisting Otis Cary in the activities of Amherst House and also in teaching English to Japanese students. No knowledge of Japanese is required.

The fellowship offers a stipend of \$1,800, a travel allowance of \$1,400, and incidental expenses of \$250. Preferably the fellowship year would be from September of one year to the following August. It carries with it formal teaching responsibilities in the English language at Doshisha University, at the freshman and sophomore level. The academic year at Doshisha has allowed all fellows to make an extended trip through South East Asia during February and March.

Applicants should apply to the President of the College, with a view to having a decision in mid-February.

**The Amherst Memorial Fellowships for the Study of Social, Economic, and Political Institutions, and for Preparation for Teaching and the Ministry.** A fund of \$124,900 provides fellowships to perpetuate the memory of those Amherst men who gave their lives for an ideal. The following statement expresses the purposes of the donor of these fellowships: "Realizing the need for better understanding and more complete adjustment between men and existing social, economic, and political institutions, it is my desire to establish a fellowship for the study of the principles underlying these human relationships."

Appointments to these fellowships may be made from the graduating class or the alumni of Amherst College or of other colleges, the object being to permit men of character, scholarly promise, and intellectual curiosity to investigate some problem in the humanistic sciences. Candidates should be men of sound health. During previous training they should have given evidence of marked mental ability in some branch of the social sciences—history, economics, political science—and have given promise of original

contribution to a particular field of study. It is desirable that they possess qualities of leadership, a spirit of service, and an intention to devote their efforts to the betterment of social conditions through teaching in its broad sense, journalism, politics, or field work.

While preference is given to candidates planning to do advanced work in the field of the social sciences, applications will be accepted and awards made to candidates who are planning to go to theological school as a preparation for a career in the ministry and to those from other fields than the social sciences who are preparing for a career in teaching in secondary schools or colleges.

Appointments may be made for terms of two years. Tenure may, however, be shorter or longer, depending upon the nature of the subjects investigated or upon other circumstances which, in the judgment of the committee, warrant a variation in the length of tenure.

The stipend will vary according to the circumstances of the appointment. Awards will depend upon those aspects of individual cases which, in the judgment of the committee, most suitably fulfill the purpose of the foundation.

These fellowships will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

**The Henry P. Field Fellowships.** Two fellowships of \$500 each are available from the income of the bequest of the late Henry P. Field of the class of 1880, to promote graduate study in the fields of English and History. Appointments are made annually by the College on the recommendation of the departments of English and History.

**The Edward Hitchcock Fellowship.** The income from a fund of \$20,000 founded by the late Mrs. Frank L. Babbott of Brooklyn, N.Y., is available for the promotion of graduate study in the department of physical education. Its object is to make the student familiar with the best methods of physical training, both in the gymnasium and on the field. The appointment is made by the Faculty.

**The Roswell Dwight Hitchcock Memorial Fellowship.** A fund of \$8,900, established through the agency of the Alpha Delta Phi Fraternity, provides an annual award under conditions determined by the Faculty, to a member of the senior class for excellence in history and the social and economic sciences. The holder of the Fellowship pursues for one year, at an institution approved by the Faculty, a course of study in history or economics, to be completed within the period of two years next following graduation. The amount of the Fellowship is paid in two installments, one on completion of one-half the year's work, the other at the end of the year.

**The Rufus B. Kellogg University Fellowship.** The income from a fund of \$63,000 established by the late Rufus B. Kellogg of the Class of 1858 pro-

## AMHERST COLLEGE

vides certain prizes, and a fellowship award for three years to an alumnus of Amherst College, who shall be appointed upon the following conditions:

1. He shall be elected by the Faculty from the members of the class graduated at the close of the academic year in which this election shall be made, or from the members of the classes graduated in the six years immediately preceding the academic year in which this election shall be made.

2. The faculty shall select as the incumbent of the said Fellowship the man who, in their judgment, is best equipped for study and research, without regard to any other considerations whatsoever, except that he should have an especially good knowledge of at least one modern foreign language and should have had at least one year of Latin in preparatory school or college.

3. The three years shall be spent by the incumbent at a German University, or with the approval of the said Faculty at any other place or places, in the study of philosophy, philology, literature, history, political science, political economy, mathematics or natural science. At least one college term of the final year shall be spent by the incumbent at Amherst College, where he shall give a series of not more than thirty lectures on a subject selected by himself and approved by the Trustees. The lectures shall be given to the Senior class, but the members of all other classes shall have the privilege of attending. The incumbent shall have his lectures published, at the end of his official term, in good book form, or in a learned journal.

**The Edward Poole Lay Fellowship.** The income from a fund of \$43,300, established by Frank M. Lay, of the class of 1893, and Mrs. Lay, in memory of their son Edward Poole Lay, of the class of 1922, provides for a fellowship to be awarded to a graduate of Amherst College who has shown unusual proficiency and talent in music, and who desires to continue his studies in this field. Preference is to be given to a candidate who is proficient in voice. In the event that there is no qualified candidate for the award in any one year in the musical arts (especially voice and instrumental music), then it may be awarded under the same conditions to a qualified candidate in the field of the dramatic arts.

This fellowship will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

**The Roland Wood Fellowship.** Awarded annually upon the recommendation of the Department of Dramatic Arts as a fellowship to one or more promising and deserving graduates of Amherst College for continued study in or of the theater.

**The Forris Jewett Moore Fellowships.** These fellowships, three in number, were established in memory of Forris Jewett Moore of the class of 1889 by his widow, Emma B. Moore. In each case, the beneficiary is to be a

member of the graduating class of the year preceding that in which he holds the Fellowship.

1. A fund of \$26,700, the income of which is to be used to assist some graduate of Amherst College who has distinguished himself in the study of chemistry while an undergraduate, and who desires to engage in further study of that subject. Preference is to be given to eligible candidates whose plans lie in the field of organic chemistry.

2. A fund of \$21,400, the income of which is to be awarded to a graduate of Amherst College who has distinguished himself in the study of history while an undergraduate, and who desires to engage in further study of that subject.

3. A fund of \$24,400, the income of which is to be awarded to a graduate of Amherst who has distinguished himself in the study of philosophy while an undergraduate and who desires to engage in further study of that subject.

**The George Stebbins Moses Memorial Fellowship.** The income from a memorial fund provides a fellowship to be awarded to an Amherst graduate each year who has been accepted by a recognized divinity school, who has good reason to seek financial aid, who seems to be an all-around man qualified in all respects as a religious and moral leader and a lover of ordinary people, and who is qualified scholastically to meet the calling of a theological career creditably. The candidate need not be an outstanding student, but improvement in the upperclass years, dedication, and a sense of purpose will be given great consideration.

The recipient will be selected by the Fellowship Committee acting with the Minister to the College and, ordinarily, will be awarded on an annual basis but, under appropriate circumstances, it may be renewed for a second or third year at the discretion of the Committee. If the income and needs of candidates permit, more than one fellowship may be awarded in any given year.

**The George A. Plimpton Fellowships.** These fellowships, established by the Board of Trustees of Amherst College in memory of George A. Plimpton of the class of 1876, a member of the Board from 1890 to 1895 and from 1900 to 1936, and President of the Board from 1907 to 1936, are to be awarded without stipend to members of the senior class who are of outstanding scholastic ability and promise, who plan to continue their studies in graduate school, and who are not in need of financial assistance.

These fellowships will be awarded by the Board of Trustees upon recommendation of the Faculty Fellowship Committee.

**The Charles B. Rugg Fellowship.** The income from a fund of \$25,000 established in memory of Charles Belcher Rugg, of the Class of 1911, provides a fellowship to be awarded to an Amherst graduate who shows promise for the study of law. The award is made annually to aid a young man beginning



## AMHERST COLLEGE

a legal career, but it may be renewed for a second or third year upon recommendation of the Fellowship Committee.

**The John Woodruff Simpson Fellowships and Lectureships.** A fund now amounting to \$205,100 was established in memory of John Woodruff Simpson of the class of 1871, by his wife and daughter. The uses of the income as defined by the donors follow:

"1. To award to any graduate of Amherst College a fellowship for use in studying law at any school approved by the Board of Trustees of the College;

"2. To award to any graduate of Amherst College a fellowship for use in studying medicine at any school approved by the Board of Trustees of the College;

"3. To award to any graduate of Amherst College a fellowship for use in studying theology at any school approved by the Board of Trustees of Amherst College, without regard to the particular creed or particular religious belief taught thereat;

"4. To award to any graduate of Amherst College a fellowship for use in studying at any school, college or university approved by the Board of Trustees of the College, in preparation for the teaching profession;

"5. To award to any graduate of Amherst College a fellowship for use in graduate study at the universities of Oxford or Cambridge in England;

"6. To award to any graduate of Amherst College a fellowship for use in graduate study at the Sorbonne in Paris;

"7. To secure from time to time from England, France or elsewhere, scholars for the purpose of delivering lectures or courses of instruction at Amherst College."

These fellowships will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

**The Sterling P. Lamprecht Fellowship.** From the income of \$30,000, a fellowship is awarded to a recent graduate of Amherst College for assistance in the pursuit of philosophy. This fellowship may be awarded to the same man for a maximum of three years. It need not be awarded at all in one particular year, and it might be, if there were no suitable graduate, awarded to an undergraduate in which case it would be known as the Sterling P. Lamprecht Scholarship. Preference, however, would be given for graduate study.

**The Benjamin Goodall Symon, Jr. Memorial Fellowship.** The income from a memorial fund provides a fellowship to be awarded to an Amherst graduate each year who has been accepted by a recognized divinity school, who has good reason to seek financial aid, who seems to be an all-around man qualified in all respects as a religious and moral leader, and who is qualified scholastically to meet the calling of a theological career creditably, although he may plan to use the divinity school training for work in another field.

The candidate need not be an outstanding student, but improvement in the upperclass years, dedication, and a sense of purpose will be given great consideration.

The recipient will be selected by the Fellowship Committee acting with the Minister to the College and, ordinarily, will be awarded on an annual basis but, under appropriate circumstances, it may be renewed for a second or third year at the discretion of the Committee. If the income and needs of candidates permit, more than one fellowship may be awarded in any given year.

**Fellowships Awarded by the American Schools of Classical Studies at Athens and Rome.** The attention of graduate students interested in the Classics and in Archaeology and Ancient Art is called to the opportunities offered by the American Schools of Classical Studies at Athens and Rome. As the College contributes regularly to the support of these schools, any Amherst graduate may enjoy the privileges of study at either school without charge for tuition and may compete for the annual fellowships which they offer. Further information may be obtained from any teacher of Classics at the College.

**Columbia—Amherst Memorial Fellowship in History.** This fellowship offered jointly by Amherst and Columbia is open to Amherst students in the graduating class for the study of History (preferably European History) at Columbia University. The amount of the total stipend is determined by Columbia and is comparable to other awards for graduate work in History.

**Yale—Amherst Memorial Fellowship in History.** This fellowship offered jointly by Amherst and Yale is open to Amherst students in the graduating class for the study of History (preferably American History) at Yale University. The amount of the total stipend is determined by Yale and is comparable to other awards for graduate work in History.

# Prizes and Awards

THE following prizes are offered annually for proficiency in the work of the several departments of collegiate study, and for other qualifications. The recipients of awards for the previous year are named in each case.

## AMERICAN STUDIES

**The George Rogers Taylor Prize**, to be awarded annually to the student enrolled in American Studies 12 who in the opinion of the American Studies Department shows most promise for creative and scholarly work in the field of American Studies. *William Eric Robinson, '71.*

## ART

**The Anna Baker Heap Prize**, from the income of a fund of \$2,000, established by the late Arnold N. Heap of the Class of 1873; \$170 is awarded to that Senior who submits the best essay in the field of "Art." *Theodore James Savage, '68.*

**The Athanasios Demetrios Skouras Prize** of \$80 is given annually by an anonymous donor in the memory of Athanasios Demetrios Skouras, of the Class of 1936, who died in 1943 in Athens, Greece, as a result of Nazi reprisal killings. The prize is given to a student who in the opinion of the Fine Arts Department has created an outstanding work of art or architecture or to a student who, in the opinion of the Music Department, was pre-eminent in music composition or rendition of a musical selection. Preference to be given in the fine arts. *Peter Kimball Flaccus, '69.*

**Special Departmental Award in Art.** *Daniel Schmalz Conrad, '68.*

## BIOLOGY AND GEOLOGY

**The Harvey Blodgett Scholarship**, from the income of a fund of \$2,800, established by Frederick H. Blodgett in memory of his grandfather, Harvey Blodgett of the Class of 1829, is awarded to aid student work in biology and geology in their educational phases as distinct from their more technical and strictly scientific phases. Combined with The Phi Delta Theta Scholarship and awarded to *Jamson Lwebuga-Mukasa, '70.*

**The Phi Delta Theta (Sigma) Scholarship**, from the income of a fund of \$600, established by the Phi Delta Theta Fraternity, is awarded as a scholarship at the Woods Hole Marine Laboratory to a student for proficiency in biology. Combined with The Harvey Blodgett Scholarship and awarded to *Jamson Lwebuga-Mukasa, '70.*

## PRIZES AND AWARDS

**The Oscar E. Schotté Prize**, an award to be given to "that member of the graduating class who in the opinion of the Department has done the best independent work in Biology." *Thomas Bothwell Rice*, '68.

**The Oscar E. Schotté Scholarship** is awarded annually to a member of the junior or senior class majoring in science to enable him to complete a special project during the summer months. *Kenneth David Frank*, '68.

## CHEMISTRY AND MEDICINE

**The Howard Waters Doughty Prize**, from the income of a fund of \$1,200, given anonymously; \$100 is awarded to that member of the senior class who, in the opinion of the chemistry department, has prepared the best honors thesis. Divided between *Sammy Tung Chuen Hung*, '68 and *Clark Joseph Bullock Tibbetts*, '68.

**The Frank Fowler Dow Prizes**, part of the income from a fund established by *Fayette B. Dow*, '04, in memory of his father; \$300 is awarded to a member or members of the junior or senior class preparing to enter medical school and whose undergraduate work indicates a career of usefulness and distinction in medicine. Divided between *Thomas Henry Ogden*, '68 and *Alan George Wasserstein*, '68.

## DRAMATICS

**The Raymond Keith Bryant Prize**, an annual gift of \$37 from *Robert E. and Ethel M. Bryant* in memory of their son, *Raymond Keith Bryant*, of the Class of 1936, is awarded to that undergraduate who, in the opinion of a board of judges, gives the best single performance of the year in a *Masquers'* play. *Stephen Frederic Barker*, '68.

## ECONOMICS

**The W. T. Akers, Jr. Prize** of \$50, provided by an annual gift from *W. T. Akers, Jr.*, of the Class of 1927, is awarded to that undergraduate who has, in the opinion of the economics department, written and submitted the best honors essay in economics. *David Sterling Davenport*, '68.

**The Merrill Center Prize**, a prize of \$100 to be given to that member of the senior class who, in the opinion of the Economics Department, has written an honors thesis of distinction upon a subject related to capital formation and economic growth. *Alanson Walter Willcox*, '68.

**The Hamilton Prize**, established by his former students in memory of *Professor Walton Hale Hamilton*, distinguished member of the Department of Economics from 1915 to 1923, consisting of a collection of economics books, is awarded to that student other than a senior who ranks highest in the introductory economics course. *Michael Peter Madow*, '71.

## AMHERST COLLEGE

**The Sylvester Award**, supported by an annual gift from Albert L. Sylvester of the Class of 1924, goes to the junior majoring in economics, who has shown himself outstanding in his work in that Department while maintaining a worthy general average. If the recipient is already on the scholarship list, the award is \$750; if not, the award is a prize of \$100 and the remainder goes to Frost Library for the purchase of books in economics. Divided between *Joseph Francis Quinn, Jr.*, '69 and *Kent Thompson Stauffer*, '69.

## ENGLISH

**The Academy of American Poets Prize**, of \$100, made possible by a gift of Harry Woodbourne, is awarded annually for the best poem or group of poems, preferably on nature, submitted by an undergraduate. *Paul John Monk*, '69.

**The Armstrong Prize**, from the income of a fund of \$2,700, established in part by Collin Armstrong of the Class of 1877 in memory of his mother Miriam Collin Armstrong, awarded in the form of books to the value of \$115 to members of the freshman class who excel in composition. *Edward Beecher Claflin*, '71.

**The Collin Armstrong Poetry Prize**, from the income of a fund of \$2,700, established in part by Mrs. Elizabeth H. Armstrong; \$115 is awarded to the undergraduate author of the best original poem or group of poems. *Richard Stephen Preston*, '69.

**The Corbin Prize**, from the income of a bequest of \$1,000 established by the estate of William Lee Corbin of the Class of 1896; \$90 is awarded for an outstanding original composition in the form of poetry or an informal essay. *Jared Daniel Kass*, '69.

**The John Franklin Genung Prize**, of \$50, given each year anonymously in memory of Professor Genung, is awarded to that member of the junior or senior class who excels in prose composition. *Philip Earle Metcalfe*, '68.

**The Harry Richmond Hunter, Jr. Prize**, from the income of a fund of \$1,400, established by H. R. Hunter and Emma Louise Hunter in memory of their son, Harry Richmond Hunter, Jr. of the Class of 1929; \$50 is awarded to that member of the sophomore class who presents the best essay on a topic approved by the English department. *Colin Emerson Stewart*, '70.

**The Peter Burnett Howe Prize** for excellence in prose fiction, established by a gift of Robert B. Howe of the Class of 1930 in memory of his son Peter Burnett Howe, '60. The prize is awarded to an undergraduate for excellence in prose fiction. Divided between *David Rountree Evans*, '68 and *Jonathan Ralph Steinhart*, '69.



## PRIZES AND AWARDS

**The Ralph Waldo Rice Prize**, from the income of a fund of \$1,800, established by Mrs. Mary Rice Jenkins in memory of her brother, Ralph Waldo Rice, of the Class of 1910; \$160 is awarded for the best essay on "The Liberal College and Christian Citizenship" or any other subject named by the Faculty. *Alan George Wasserstein, '68.*

### GREEK

**The William C. Collar Prize**, from the income of a fund of \$1,400 established by the late William C. Collar of the Class of 1859; \$120 is awarded to the member of the freshman class who shall make on a written examination the best version in English of a previously unseen page from some Greek author. *Loring Mandell Danforth, '71.*

**The Hutchins Prize**, from the income of a fund of \$1,400, established by the late Waldo Hutchins of the Class of 1842; \$120 is awarded to an upper-classman for excellence in Greek. The scholarship is determined chiefly by the regular recitations and examinations of the department but special studies and examinations may also be required of the candidates. *William Gregory Thalmann, III, '69.*

**The Harry De Forest Smith Scholarship** is awarded to a member of the freshman class enrolled in one of the regular courses in the Department of Greek. The award is made on the basis of an examination given at the candidate's school in the March preceding his entrance to college. Students who have had either two or three years of Greek at school are eligible for this scholarship. The amount of the stipend is based on the financial need of the winner according to the regular scholarship procedures of the College. It is renewable after freshman year in accordance with the regular scholarship policy. In cases where there is no demonstrable financial need, the winner will receive an honorary \$100 stipend for the first year. No Award.

### JOURNALISM

**The Samuel Bowles Prize**, from the income of a fund of \$4,200 established by the late Samuel Bowles King, '02; to stimulate interest in journalism as a career, a prize of \$355 is awarded to a student of the junior or senior class who has demonstrated proficiency in journalism. The income may be used from time to time for a scholarship or toward a lectureship. *Daniel Chester Cochran, '68.*

### LATIN

**The Bertram Prizes**, from the income of a fund of \$2,600, established by the late John Bertram of Salem; two prizes of \$140 and \$85 each are awarded

## AMHERST COLLEGE

to those students who, together with attaining a high average in the Latin courses of the Senior Year, present the best essays on some approved topic connected with these courses. First and Second Prizes combined and divided between *Colin Farrish Hasse*, '68 and *Jeremiah Putnam Mead*, '68.

**The Billings Prizes**, from the income of a fund of \$1,300, established by Frederick Billings in memory of Parmly Billings of the Class of 1884; two prizes of \$75 and \$35 are awarded for general excellence in the Latin courses of the Sophomore Year together with the best essays on special topics connected with the authors read in that year. First and Second Prizes: *Donald John Mastronarde*, '70.

**The Crowell Prizes**, from a fund of \$2,300 in memory of Edward Payson Crowell of the Class of 1853; prizes of \$70 and \$30 are awarded for the highest scholarship in the freshman Latin courses; prizes of \$70 and \$30 are awarded to the students who, together with attaining a high average in the Latin courses of the Junior Year, present the best essays on some approved topic connected with the junior Latin course. Freshman Award: First Prize: *Loring Mandell Danforth*, '71; Second Prize: *Ernest Allen Vitello*, '71. Junior Award: First Prize: *William Gregory Thalmann, III*, '69; Second Prize: *Gene Michael O'Grady*, '69.

## MATHEMATICS, PHYSICS AND ASTRONOMY

**The Bassett Physics Prizes**, from the income of a fund of \$4,620 established by Preston Rogers Bassett of the Class of 1913; two prizes up to \$100 and \$50 respectively may be awarded each year to those students who have distinguished themselves by the excellence and maturity of their performance in the class and laboratory work of the first course in Physics. First Prize: *Richard Gregory Kellogg*, '70; Second Prize: *Thomas Corning Oxtoby*, '71.

**The Porter Prize**, from the income of a fund of \$600, established by the late Eleazer Porter of Hadley; a prize of \$50 is awarded for proficiency in first year astronomy. No award.

**The William Warren Stifler Prize**, from the income of a fund of \$1,000, created by the late Professor Stifler; \$90 is awarded to a senior who has majored in physics and who is nominated by the teaching staff of the department for excellence in work in the courses of physics for the junior and senior years, with special weight in the course on electricity and magnetism. *Mark Austin Peterson*, '68.

**The Walker Prizes**, from the income of a fund of \$6,000, given by the late William J. Walker of Newport, Rhode Island; two prizes of \$180 and \$90 are awarded for proficiency in mathematics of the first year, and two prizes of \$180 and \$90 for proficiency in mathematics of the second year. In each

## PRIZES AND AWARDS

case the award is determined by an examination. First Year: First and Second Prizes combined and divided between *Thomas Corning Oxtoby*, '71 and *Roger Wilmot Turton*, '71. Second Year: First Prize, *David Lee Silverman*, '70; Second Prize, No Award.

## MUSIC

**The Eric Edward Sundquist Prize**, from the income of a fund established anonymously in memory of Eric Edward Sundquist of the Class of 1936; \$70 is awarded annually to that senior who has demonstrated excellence in musical composition and performance. *Francis Xavier Spina*, '68.

## PHILOSOPHY AND RELIGION

**The Moseley Prizes**, from the income of a fund of \$7,700 established by the late Thomas W. H. Moseley of Hyde Park; two prizes of \$450 and \$230 are awarded to members of the senior class for the best essays on a subject approved by the Department of Philosophy and Religion. First and Second Prizes combined and divided between *Theodore Warren Budlong*, '68 and *William Hardy Heaney*, '68.

## PHYSICAL EDUCATION

**The Sawyer Prizes**, from the income of a fund of \$2,000, established by the late Edmund H. Sawyer, Hon. 1878; \$175 is available for prizes for improvement in the department of Physical Education. Senior Class: *David Max Weinstein*, '68. Sophomore Class: *Peter Adoue Howland*, '70.

## POLITICAL SCIENCE

**The Densmore Berry Collins Prize in Political Science**, of \$50, given annually by Miss Margaret S. Densmore in memory of her nephew Densmore Berry Collins, of the Class of 1940. The award will be made to the student submitting the best honors thesis in Political Science. *John E. Lehman*, '68.

## PUBLIC SPEAKING

**The Bancroft Prizes**, of \$360 and \$210, from the income of a fund of \$6,500 established by the late Frederic Bancroft of the Class of 1882; awarded to the two members of the senior class who produce the best orations. Both composition and delivery are considered in making the awards. First Prize: *Lewis Roberts Solomon*, '68. Second Prize: *Robert Morris Hardaway, IV*, '68.

**The Bond Prizes**, from the income of a fund of \$2,400 established by the late Ephraim W. Bond of the Class of 1841; \$165 and \$55 are awarded for the best productions spoken at the Senior Chapel service. The awards are de-

## AMHERST COLLEGE

terminated by a committee appointed by the Trustees upon nomination by the Faculty. No Award.

**The Gilbert Prize** of \$100 from the income of a fund established by the late William O. Gilbert of the Class of 1890 is awarded to a member of the junior class who produces the best oration. Both composition and delivery are considered in making the award. *Jeffrey Bruce Abramson, '69.*

**The Hardy Prizes**, from the income of a fund of \$1,300, established by the late Alpheus Hardy of Boston; prizes of \$75 and \$35 are awarded for excellence in extemporaneous speaking. First Prize: *Michael Jozef Israels, '71.* Second Prize: *Martin Brand Boxer, '71.*

**The Kellogg Prizes**, from part of the income of a fund of \$54,500, established by the late Rufus B. Kellogg of the Class of 1858; two prizes of \$70 and \$50 are awarded to members of the sophomore or freshman classes for excellence in declamation. First Prize: *James Nelson Kenworthy, '70.* Second Prize: *Edward Hofkin Merves, '71.*

**The Rogers Prize**, from the income of a fund of \$1,400, given by Noah C. Rogers of the Class of 1880; \$115 is awarded to a member of the junior class for excellence in debate. No Award.

## SCHOLARSHIP AND CITIZENSHIP

**The Borden Freshman Prize**, from a fund established by the Borden Company, an award of \$200 is made annually to that member of the freshman class who has achieved the highest average grade for all college work taken during the freshman year. *Steven Mark Lobel, '70.*

**The Addison Brown Scholarship**, from the income of a fund of \$6,300, established by the late Addison Brown of the Class of 1852; \$555 is awarded to that member of the senior class who, being already on the scholarship list, shall have attained the highest standing in the studies of the freshman, sophomore, and junior years. *Edward Nolan Callahan, '68.*

**The Samuel Walley Brown Scholarship**, from the income of a fund of \$6,300, established by the late Samuel Walley Brown of the Class of 1866; \$555 is awarded to that member of the sophomore class who at the end of his sophomore year shall in the estimation of the Trustees rank highest in his class in character, class leadership, scholarship, and athletic ability. *Robert Jeffrey Dwyer, '69.*

**The Frank A. Hosmer Scholarship**, from the income of a fund of \$15,000 established by Frank A. Hosmer of the Class of 1875; \$600 is awarded to that member of the sophomore class who, being already on the scholarship list, shall have attained the highest standing in the studies of the freshman year. *Donald John Mastronarde, '70.*



## PRIZES AND AWARDS

**The Gordon B. Perry Memorial Award**, from the income of a fund of approximately \$1,500, provides a trophy and cash prize of \$125 to a freshman in good academic standing whose participation and attitude in freshman athletics and other activities are outstanding. *Roger Holt Cummings*, '71.

**The Porter Admission Prize**, from the income of a fund of \$1,200, established by the late Eleazer Porter of Hadley; \$105 is awarded each year to the member of the entering freshman class who is judged to have the best general record on the College Board tests taken for admission to Amherst. The name of the successful candidate, together with that of his school, is published in the catalog. *Herbert Frederick Tucker, Jr.*, '71, Moses Brown School (Providence, Rhode Island).

**The Psi Upsilon Prize**, from the income of a fund of approximately \$5,500, established by the Gamma Chapter of Psi Upsilon in 1941 on the occasion of the Centennial Anniversary of the founding of the Chapter; \$400 is awarded to that member of the graduating class who, in the opinion of a committee consisting of the President of the College, the Dean, and the Chairman of the Department of Physical Education and Intercollegiate Athletics, is considered to be "The First Citizen of the College." *Felix Joseph Springer*, '68.

**The John Sumner Runnells Memorial**, from the income of a fund of \$6,300, established in memory of John Sumner Runnells of the Class of 1865; \$555 is awarded to that member of the sophomore class who shall in the opinion of the Trustees of the College be preeminent in his zeal for knowledge and industry to attain it. *Bruce Gordon Wallace*, '69.

**The Obed Finch Slingerland Memorial Prize**, from the income of a fund of \$11,400 established by an anonymous donor; \$1,000 is awarded by the Trustees of the College to that member of the junior class, who, during his first three years at Amherst, has shown by his own determination and accomplishment the greatest appreciation of and desire for a college education. *Daniel Chester Cochran*, '68.

**The Sylvester Scholarship** of \$750 provided by an annual gift from Albert L. Sylvester of the Class of 1924, is awarded to a senior who, being already on the scholarship list, at the end of his junior year has combined most clearly outstanding success in extra-curricular activities, including athletics, with academic distinction in one or more fields. *Henry Thomas DeNero*, '68.

**The Stanley V. and Charles B. Travis Prize**, from the income of a fund of \$2,600; established by the late Charles B. Travis of the Class of 1864; \$220 is awarded to that member of the graduating class who has made the most improvement as a man and as a scholar during his college course. Combined with the Woods Prize and divided between *Mark Austin Peterson*, '68 and *Claude Andrew Pickens*, '68.



## AMHERST COLLEGE

**The Woods Prize**, an annual gift of \$55 in memory of the late Josiah B. Woods of Enfield, is awarded for outstanding excellence in culture and faithfulness to duty as a man and as a scholar—particular attention being given in any prominent case to improvement during the four years' course. Combined with the Travis Prize and divided between *Mark Austin Peterson*, '68 and *Claude Andrew Pickens*, '68.

**The Robert E. Bauser Memorial Award** of a twenty-five dollar United States savings bond (or its equivalent), is given at the close of every academic year to that member of the Senior Class who, in the opinion of the senior board of Radio Station WAMF, has been of the greatest service in the operation and development of the station, during his tenure as station member. This award is sustained in perpetuity of Amherst College by the Alpha Chi Chapter of Phi Gamma Delta in memory of its brother, Robert E. Bauser, '54. *David Leslie Glass*, '68.

**The Ashley Memorial Trophy**, given by the Class of 1916 in memory of Thomas W. Ashley, '16, who was killed in action at Belleau Wood in 1918, is presented annually to the retiring member of the football team who, in the opinion of a committee consisting of the Coach, the Manager, and the Captain-elect, has best "played the game." *Paul Francis Lengieza*, '68.

**The Howard Hill Mossman Trophy**, awarded annually to the member of the senior class, who, in the opinion of a committee consisting of the President of the College, the Dean, the Chairman of the Department of Physical Education and Intercollegiate Athletics, and the President of the Student Council, has brought, during his four years at Amherst, the greatest honor in athletics to his Alma Mater—the word "honor" to be interpreted as relating both to achievement and to sportsmanship. *John Andrew Widness*, '68.

**The Lincoln Lowell Russell Prize**, from the income of a fund of \$1,200 established by the late J. W. Russell, Jr. of the Class of 1899 in memory of his son; \$105 is awarded to that member of the graduating class who has done most to foster the singing spirit in Amherst College. Divided equally among *Peter Northrop Brown*, '68; *Thomas Merrell Hunter*, '68, and *Glenn Alan Lux*, '68.

# Degrees Conferred

NOVEMBER 4, 1967

BACHELOR OF ARTS

Rite

Peter Brooks Coombs  
Michael James Driver  
Roger Edward Hamilton

George Parke Rouse, III  
Arthur Seymour Thomas, III

JANUARY 29, 1968

BACHELOR OF ARTS

Rite

Henry Lee Crouch

Frederick Raymond Lofgren, Jr.

APRIL 20, 1968

BACHELOR OF ARTS

Rite

George Williamson Fleming

JUNE 7, 1968

BACHELOR OF ARTS

**Summa cum laude**

Mark Austin Peterson, *Physics*  
*Ames, Iowa*

Jonathan DeMille Prude  
*Independent Scholar*  
*New York, New York*

Robert Alexander Taggart, Jr.  
*Mathematics*  
*Birmingham, Michigan*

Alan George Wasserstein, *English*  
*West Hempstead, New York*

David Max Weinstein, *Economics*  
*Seattle, Washington*

**Magna cum laude**

Wilbert Andrew Achenbaum, Jr.  
*American Studies*  
*Devon, Pennsylvania*

Allan Praigrod Albert  
*Independent Scholar*  
*Miami Beach, Florida*

John Turnball Broad, *Chemistry*  
*Fayetteville, New York*

Robert Melvin Brock, Jr.  
*American Studies*  
*Ridgewood, New Jersey*

## AMHERST COLLEGE

- Theodore Warren Budlong  
*Philosophy*  
*Bedford, New York*
- Frédéric Bruce D'Agostino  
*Independent Scholar*  
*Morrisville, Pennsylvania*
- Richard Armand Dallair, *Russian*  
*Pittsfield, Massachusetts*
- Marc Damashek, *Physics*  
*Brooklyn, New York*
- David Sterling Davenport, *Economics*  
*Winnetka, Illinois*
- Robert Scott Denig, *Anthropology*  
*Moline, Illinois*
- Edwin Bailey Fisher, Jr., *Psychology*  
*Hillsdale, New Jersey*
- Kenneth David Frank, *Biology*  
*Washington, D.C.*
- James Eliot Goldman, *Biophysics*  
*Philadelphia, Pennsylvania*
- Daniel Jay Goleman  
*Independent Scholar*  
*Stockton, California*
- Colin Farrish Hasse, *Classics*  
*Berkeley, California*
- Sammy Tung Chuen Hung  
*Chemistry*  
*Kowloon, Hong Kong*
- Zachary Roger Karol, *Economics*  
*New York, New York*
- Jeremiah Putnam Mead, *Latin*  
*Waban, Massachusetts*
- James Harris Mersey, *Biology*  
*Lynbrook, New York*
- Jeffrey Bernard Miller, *Economics*  
*Baltimore, Maryland*
- John Odlin Mirick, *History*  
*Worcester, Massachusetts*
- Thomas Henry Ogden, *English*  
*Harrison, New York*
- William Louis Powar, *Economics*  
*Shaker Heights, Ohio*
- Gordon Louis Radley  
*American Studies*  
*Chicago, Illinois*
- Thomas Bothwell Rice, *Biology*  
*Amherst, Massachusetts*
- Jonathan Benjamin Riess  
*Independent Scholar*  
*Brooklyn, New York*
- Kermit Campbell Smyth, *Chemistry*  
*Westwood, Massachusetts*
- Michael Teruki Takemori, *Physics*  
*Honolulu, Hawaii*
- Jacob Lazarus Temchin, *French*  
*Florida, New York*
- John Holden Thorne  
*Independent Scholar*  
*Annandale, Virginia*
- Burkhard Elimar Wehner, *French*  
*Hamburg, West Germany*

### Cum Laude

- Lawrence Werner Abrams, *Economics*  
*University City, Missouri*
- Philip Frederick William Ahrens, III  
*American Studies*  
*Chappaqua, New York*
- Russell Lawton Allen  
*Political Science*  
*Darien, Connecticut*
- John Richard Amsterdam, *Economics*  
*Bala Cynwyd, Pennsylvania*
- Elliott Seabury Andrews  
*American Studies*  
*Royal Oak, Michigan*
- Ronald Stephen Bashian, *Biology*  
*Manhasset, New York*
- Robert Shelton Boger, *Biophysics*  
*Wayne, Pennsylvania*
- Forrest Booth, *Political Science*  
*East Walpole, Massachusetts*
- Richard Spaulding Booth  
*Political Science*  
*Plattsburgh, New York*
- Jonathan Benjamin Borak, *Economics*  
*Great Neck, New York*
- Bruce Hatton Boyer, *Dramatic Arts*  
*Evanston, Illinois*
- Michael Jay Bresler, *Biology*  
*Silver Spring, Maryland*
- Theodore Skerritt Brewer  
*Political Science*  
*Syracuse, New York*
- Michael Arthur Brintnall  
*Independent Scholar*  
*Akron, Ohio*
- Peter Northrop Brown  
*Political Science*  
*Wilmington, Delaware*

## DEGREES CONFERRED

- Roy Scott Chaleff, *Biology*  
New York, New York
- Lewis Benson Chesler  
*American Studies*  
University Heights, Ohio
- Marc Paul Chinoy  
*Independent Scholar*  
Fort Lauderdale, Florida
- Sin-Hang Chiu, *Music*  
Hong Kong
- Ernest David Chu, *History*  
Chappaqua, New York
- Thomas Vincent Cliff  
*American Studies*  
Grosse Pointe, Michigan
- Nicholas Hamner Cobbs  
*American Studies*  
Chappaqua, New York
- Daniel Chester Cochran  
*Independent Scholar*  
Chicago, Illinois
- Peter John Collings, *Physics*  
Ossining, New York
- Daniel Schmalz Conrad, *Fine Arts*  
Baldwin, Maryland
- Donald Miles Cooper, *English*  
Allentown, Pennsylvania
- Louis Edward Cox, Jr., *Spanish*  
Pittsburgh, Pennsylvania
- John Woodyard Davidson  
*Economics*  
Glendale, Missouri
- Charles Marshall Delbaum, *Physics*  
Cedarhurst, New York
- Michael Patrick Donnelly, *History*  
North Arlington, New Jersey
- Peter Arnott DuBois  
*American Studies*  
Oakland, California
- Robert Vignier Duss  
*American Studies*  
Jacksonville, Florida
- David Rountree Evans  
*Independent Scholar*  
Los Angeles, California
- Joal Fischer, *Biology*  
Highland Park, Illinois
- William Miles Fletcher, III, *History*  
Brookline, Massachusetts
- Richard Brent Frantzreb, *Russian*  
Scarsdale, New York
- Robert Benson Geehr, *Biology*  
Syracuse, New York
- Roger Lawrence Goldman  
*American Studies*  
Great Neck, New York
- Harold Samuel Handelsman  
*Political Science*  
Brooklyn, New York
- Robert Morris Hardaway, IV  
*Economics*  
Washington, D.C.
- Robert Dale Harrison  
*American Studies*  
Brooklyn, New York
- Richard Grant Hawthorne, *English*  
Edina, Minnesota
- William Hardy Heaney, *English*  
Oshkosh, Wisconsin
- Alan Reginald John Ho, *French*  
Hong Kong
- Charles Stanley Peter Hodge  
*Political Science*  
Granville, Massachusetts
- Louis Robert Holekamp, Jr., *Biology*  
Kirkwood, Missouri
- John Hathaway Howland, *Economics*  
Warwick, Rhode Island
- George Daniel Igel, *Psychology*  
New York, New York
- George Albert Kahler, *Biology*  
Woods Hole, Massachusetts
- Jaffer Kassamali, *Political Science*  
Dar-es-Salaam, Tanzania
- William Wright Kelly, II  
*Anthropology*  
McLean, Virginia
- Joseph Bernard Kennedy, III, *English*  
Rockville, Maryland
- Thomas Frederick Kling, Jr., *Biology*  
Orinda, California
- John E. Lehman, *Political Science*  
New York, New York
- Edward Michael Lewiecki, Jr., *Biology*  
Hingham, Massachusetts
- Gilbert Robert Lipshutz, *Biology*  
Philadelphia, Pennsylvania
- Stephen Hathaway Loring, *Biology*  
Portland, Maine

# AMHERST COLLEGE

- Alan Reninger Lundberg  
*American Studies*  
*Amherst, Massachusetts*
- Glenn Alan Lux, *Chemistry*  
*Syosset, New York*
- Leo Edward Lynn, *American Studies*  
*Folsom, Pennsylvania*
- Charles Wells March, *Economics*  
*Tulsa, Oklahoma*
- James Peter Marinell, *English*  
*New York, New York*
- Eric Stephen Mayer, *English*  
*Teaneck, New Jersey*
- Walter Allan McDougall, *History*  
*Wilmette, Illinois*
- Thomas Alfred McGavin, Jr.  
*Economics*  
*Arlington, Virginia*
- David Seth Michaels, *Economics*  
*North Brunswick, New Jersey*
- Matthew Alan Miller, *Biology*  
*Delmar, New York*
- John Wadsworth Mount, *Economics*  
*Warren, New Jersey*
- Michael Dennis Mulligan, *Biology*  
*St. Louis, Missouri*
- Tenney J. Nathanson  
*Independent Scholar*  
*New York, New York*
- Richard Leo Neugass  
*Political Science*  
*Washington, D.C.*
- Christen John Nielsen, *Biology*  
*Mahwah, New Jersey*
- Francis James Normile, *Russian*  
*Setauket, New York*
- Robert Conrad Nurick  
*American Studies*  
*Chevy Chase, Maryland*
- Peter West Nutting, *Philosophy*  
*Abington, Pennsylvania*
- David Edwin Nye  
*American Studies*  
*Bloomfield, Connecticut*
- David Neal Osser, *Chemistry*  
*Harrison, New York*
- James Lee Outman, *History*  
*Denver, Colorado*
- Marcus Lindley Parsons, III  
*Independent Scholar*  
*Arlington, Virginia*
- John Paul Perhonis  
*American Studies*  
*Amherst, Massachusetts*
- Michael Anthony Petrino, Jr.  
*Economics*  
*Glen Rock, New Jersey*
- Claude Andrew Pickens  
*Anthropology*  
*Chicago, Illinois*
- Anthony James Pietrafitta, Jr.  
*Economics*  
*Wakefield, Massachusetts*
- Douglas Jay Pitman, *Biology*  
*Port Washington, New York*
- Edward Martin Posner, *Philosophy*  
*Philadelphia, Pennsylvania*
- Banning Repplier, Jr., *English*  
*New Haven, Connecticut*
- Robert David Riskind, *Economics*  
*Chicago, Illinois*
- Mark Kenneth Rosenfeld  
*Economics*  
*Jackson, Michigan*
- George Colton Roush, *English*  
*Peninsula, Ohio*
- James John Rytuba, *Geology*  
*Hadley, Massachusetts*
- Nelson Simon Saks, *Physics*  
*Springfield, Massachusetts*
- Michael Conant Sharp, *Biology*  
*East Lansing, Michigan*
- Walter Miller Simonson, *Geology*  
*College Park, Maryland*
- William Lewis Smead, *Biology*  
*Nashville, Tennessee*
- Lewis Roberts Solomon, *English*  
*Fair Lawn, New Jersey*
- Francis Xavier Spina, *Music*  
*Pittsfield, Massachusetts*
- Felix Joseph Springer, *English*  
*Hartford, Connecticut*
- David Bruce Stoeckle, *Biology*  
*Darien, Connecticut*
- Donald Newton Stolper, *Economics*  
*West Hartford, Connecticut*



## DEGREES CONFERRED

Robert Walter Stratton  
*Psychology*  
*Malverne, New York*

Robert Sinclair Strong, *Economics*  
*West Islip, New York*

Richard Joseph Sullivan, *English*  
*Stony Point, New York*

Stephen Hiro Sumida, *English*  
*Aiea, Hawaii*

Paul William Sunstein  
*Independent Scholar*  
*Wyncote, Pennsylvania*

Jorge Luis Tapia, Jr., *French*  
*Bronx, New York*

James Davis Wallace, *Biology*  
*Phoenix, Arizona*

Daniel Harry Warner, *Religion*  
*Bronx, New York*

John Andrew Widness, *Biology*  
*Lynnfield, Massachusetts*

Alanson Walter Willcox, *Economics*  
*Washington, D.C.*

Malcolm Caldwell Young  
*American Studies*  
*Beaverton, Oregon*

### Rite

Jay Laurence Alberts  
*Cincinnati, Ohio*

Charles Kingsley Arter, III  
*Shaker Heights, Ohio*

John Aung Thwin  
*Rangoon, Burma*

Albert Pasquale Baker  
*Buffalo, New York*

Richard Ball  
*Westbury, New York*

Stephen Frederic Barker  
*Dallas, Texas*

Scott French Bateman  
*Piscataway, New Jersey*

John Richard Bologna  
*Hartford, Connecticut*

Stephen Barnes Bonner  
*Minneapolis, Minnesota*

James Foster Brent  
*Andover, Massachusetts*

William Russell Brooks  
*Burlington, Vermont*

Christopher Newell Brown  
*Princeton, New Jersey*

Nils Johan Axel Bruzelius  
*West Redding, Connecticut*

Cary Guyton Bullock, Jr.  
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William Edward Burt  
*Millburn, New Jersey*

Edward Nolan Callahan  
*Baltimore, Maryland*

Timothy John MacKenzie Chadwick  
*London, England*

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*Worcester, Massachusetts*

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*Bearsville, New York*

Jon Kimball deRiel  
*St. Louis, Missouri*

Jean François Deschamps  
*Paris, France*

William Cutler Domb  
*Morristown, New Jersey*

Peter Grant Dorland  
*Nashville, Tennessee*

John Joseph Douglass  
*Wakefield, Massachusetts*

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*Palatine, Illinois*

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*Tuskegee Institute, Alabama*

Brian Sterling Franks  
*Toronto, Canada*

James Lewis Frey  
*St. Louis, Missouri*

David Martin Funnell  
*Joppa, Maryland*

David Evans Galbreath  
*Fairless Hills, Pennsylvania*

Carl Anthony Galloway  
*Jamaica, New York*

Crombie James Dickinson Garrett, Jr.  
*Annapolis, Maryland*

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*Wellesley, Massachusetts*
- David Leslie Glass  
*Flushing, New York*
- John Prescott Glazer  
*Briarcliff Manor, New York*
- Raymond Michael Godfrey  
*Melbourne, Florida*
- Jeffrey William Goff  
*Longmeadow, Massachusetts*
- Andrew Goldman  
*Lawrence, New York*
- Paul Blair Goodrich  
*Center Ossipee, New Hampshire*
- Rafael Sergio Grasso  
*Montevideo, Uruguay*
- Raymond Andrew Grasso, Jr.  
*East Hartford, Connecticut*
- David Scott Greenlee  
*Independent Scholar  
Tuskegee Institute, Alabama*
- Michael Andrew Gresko  
*New York, New York*
- Bartholomew John Guiney  
*Canton, Massachusetts*
- Michael Beck Guthrie  
*Wayne, Pennsylvania*
- Robert George Haldeman, Jr.  
*Rowayton, Connecticut*
- John Adams Hall  
*Amherst, Massachusetts*
- Wyatt Eugene Harper, III  
*Alexandria, Virginia*
- Peter Marvin Harvard  
*Hamden, Connecticut*
- William Henry Hastie, Jr.  
*Philadelphia, Pennsylvania*
- Clark Prouty Hathaway  
*Yorba Linda, California*
- Mark Edwin Helbraun  
*Peekskill, New York*
- Dennis Eugene Helfand  
*New York, New York*
- Daniel Clements Herr  
*Bird-in-Hand, Pennsylvania*
- Robert Samuel Hilliard  
*North Tarrytown, New York*
- Robert Pak Lun Ho  
*North Point, Hong Kong*
- Robert Lee Holloway, Jr.  
*Snyder, New York*
- Joshua Blanchard Horwitt  
*Hillsdale, New York*
- Thomas Merrell Hunter  
*Claremont, California*
- Andrew Inglis  
*Shaker Heights, Ohio*
- Andrew Mark Isserman  
*A.P.O. New York*
- Robert Allan Jacobs, Jr.  
*New York, New York*
- Adrian Fitzroy Johnson  
*New York, New York*
- Sidney Lawrence Kahn, III  
*Memphis, Tennessee*
- Stephen Lowell Kaye  
*St. Paul, Minnesota*
- Steven Ross Koch  
*Baltimore, Maryland*
- William Deming Kurth  
*San Clemente, California*
- Lowell Edward Lander  
*Dayton, Ohio*
- Lawrence Dennis Layne  
*Louisville, Kentucky*
- Arthur Joseph LeClaire, III  
*Manchester, Connecticut*
- Paul Francis Lengieza  
*Chicopee, Massachusetts*
- Richard Plimpton Lewis, III  
*Dedham, Massachusetts*
- Lawrence Jay Lincoln  
*Wilmington, Delaware*
- Peter Tillotson Lobdell  
*Red Bank, New Jersey*
- Thomas Anthony Loftus  
*McLean, Virginia*
- Paul Frank Lorenz  
*Erieville, New York*
- James Frederick Lynch  
*Hanover, Massachusetts*
- Dana Elderkin McDonald  
*Akron, Ohio*
- David Alan McElroy  
*Dover, New Jersey*
- John Francis McGrath, III  
*Pleasantville, New York*

## DEGREES CONFERRED

Ian Tannehill McKeag  
*Swarthmore, Pennsylvania*  
 Philip Earle Metcalfe  
*Portland, Oregon*  
 Joseph Norbert Miller  
*Tulsa, Oklahoma*  
 Richard McCord Miller, Jr.  
*La Canada, California*  
 Randolph Archer Neyland  
*Houston, Texas*  
 Cleanthis Anthony Nicolaides  
*Athens, Greece*  
 John Wilson Pastore  
*South Kent, Connecticut*  
 John Philip Potter  
*Old Greenwich, Connecticut*  
 Lawrence Bristol Ransom  
*Bronxville, New York*  
 Jean Anthelme Rey  
*Paris, France*  
 John Frederick Rhodes, Jr.  
*Lehighton, Pennsylvania*  
 Henry Gene Rhone  
*Richmond, Virginia*  
 Allen Fraleigh Roberts  
*West Hartford, Connecticut*  
 Matthew Grahame Roehrig  
*Andover, Massachusetts*  
 William Jay Rose, II  
*Swampscott, Massachusetts*  
 Robert Winslow Ryan  
*Pleasantville, New York*  
 Thomas Wadsworth Ryan  
*Manlius, New York*  
 Richard Peter Salem  
*North Brookfield, Massachusetts*  
 Edward Turney Savage  
*Westfield, New Jersey*  
 Theodore James Savage  
*North Branch, New Jersey*  
 Joseph Marshall Schell  
*Purchase, New York*  
 Peter Martin Schlessinger  
*Woodbury, New York*  
 Joel Otis Schmidt  
*Northampton, Massachusetts*  
 Donald John Scribner  
*Mountain Lakes, New Jersey*

Ronald Howard Shechtman  
*West Hartford, Connecticut*  
 Robert Spink Sherman  
*New York, New York*  
 Michael Vernon Smith  
*Latham, New York*  
 Richard Thomas Smith  
*St. Louis, Missouri*  
 Robert Edwin Smith  
*Linden, New Jersey*  
 Roderick Charles Smith  
*Missoula, Montana*  
 Jonathan David Solins  
*Tenafly, New Jersey*  
 David Richard Springer  
*Baltimore, Maryland*  
 David Ewing Stewart, Jr.  
*Columbia, South Carolina*  
 John Reed Stifler  
*Nashville, Tennessee*  
 Michael Hunt Studley  
*Hingham, Massachusetts*  
 Alfred Brandon Taylor, III  
*Moore, South Carolina*  
 James Deming Taylor  
*Rockville, Connecticut*  
 Thomas Howard Taylor  
*Plantsville, Connecticut*  
 John Frederick Teague  
*Independent Scholar*  
*Newport, New Hampshire*  
 Clark Joseph Bullock Tibbetts  
*Reston, Virginia*  
 Roger Bruce Tilles  
*Great Neck, New York*  
 David Bruce Townsend  
*Nutley, New Jersey*  
 Robert William Townsend  
*Fitchburg, Massachusetts*  
 William Wellman Tracy  
*Alexandria, Virginia*  
 Harold Wade, Jr.  
*Springfield Gardens, New York*  
 Allen Rolf Walker  
*New Haven, Connecticut*  
 Robert Spencer Warrington  
*Bronxville, New York*  
 Robert Lowell Weiss, Jr.  
*Wooster, Ohio*

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Charles Timothy Willis  
*Framingham, Massachusetts*

Robert Ames Woodworth  
*Farmington, Connecticut*

Peter Bradford Wylie  
*Woodbridge, Connecticut*

Masatoshi Yamaguchi  
*Tokyo, Japan*

Richard Hallam Young  
*Glens Falls, New York*

Allen Paul Zipke  
*Plantville, Connecticut*

# Honorary Degrees Conferred

SEPTEMBER 12, 1967

## MASTER OF ARTS

George Anthony Kateb  
John Pemberton, III

JUNE 7, 1968

## DOCTOR OF LITERATURE

James Ingram Merrill, 1947

## DOCTOR OF HUMANE LETTERS

Carl Willis Andrews, Jr., 1943

## DOCTOR OF SCIENCE

Mac Vincent Edds, Jr., 1938  
George Wald

## DOCTOR OF LAWS

Edwin Deacon Etherington  
Sol Myron Linowitz  
Roger Lacey Stevens  
Albert Nathaniel Whiting, 1938

## MEDAL FOR EMINENT SERVICE

Robert Jackson McKean, Jr., 1950





# V

## ENROLLMENT



*College Hall*



# Enrollment

## FALL SEMESTER 1968-1969

### Special Students

Bar, Michel Claude  
*Noisy-Le-Roi, France*  
Born, Wolf-Ruthart  
*Karlstr, West Germany*  
Cadoux, Daniel Claude Bernard  
*Paris, France*  
Croucher, Richard  
*Suffolk, England*  
Delamare, Philippe C.  
*Paris, France*  
Exbalin, Bernard  
*Lyon, France*  
Simhon Sabbagh, Alberto Gaston  
*Panama, Republic of Panama*  
Taylor, Colin H.  
*Sussex, England*

### Seniors Class of 1969

Abe, Nobuyasu  
*Saitama, Japan*  
Abramson, Jeffrey Bruce  
*Cheltenham, Pennsylvania*  
Ahearn, Michael Alan  
*Milton, Massachusetts*  
Alexander, James Kermott, Jr.  
*Houston, Texas*  
Allen, Franklin Gordon, III  
*Baltimore, Maryland*  
Alstad, Donald Norman  
*Wayland, Massachusetts*  
Altschul, David Edwin  
*Yonkers, New York*  
Anderson, Dennis Paul Michael  
*East Haven, Connecticut*  
Aronson, Richard Allan  
*New York, New York*  
Ball, William Eldon, Jr.  
*St. Louis, Missouri*  
Baron, Frederick David  
*Olivette, Missouri*  
Barrett, Timothy James  
*Holyoke, Massachusetts*

Barrett, William Felton, III  
*Great Barrington, Massachusetts*  
Bartlett, Joel Emerson  
*Berkeley, California*  
Barton, David Wichmann  
*Summit, New Jersey*  
Bazenas, Waldemar  
*Naugatuck, Connecticut*  
Beal, Christopher Nigel Houston  
*Ossining, New York*  
Bean, John Michael  
*Minneapolis, Minnesota*  
Beebe, Marcus Gilbert, Jr.  
*Boston, Massachusetts*  
Begg, Robert Burns, Jr.  
*Montague Center, Massachusetts*  
Berglund, Robert Edward  
*Amherst, Massachusetts*  
Berlin, Richard Lawrence  
*West Orange, New Jersey*  
Blum, Alan Mayer  
*Cedarhurst, New York*  
Boicourt, James Evan  
*Amherst, Massachusetts*  
Bollinger, Evan Adair, Jr.  
*Rochester, New York*  
Boswell, Thomas Murray  
*Washington, D.C.*  
Braden, Norman Brian  
*Waterdown, Ontario, Canada*  
Bramble, Guy Alwyn  
*Southfield, Michigan*  
Breed, Charles Everett  
*Stanford, California*  
Brightman, Alan Jay  
*Hull, Massachusetts*  
Brown, Robert Horatio, Jr.  
*Chevy Chase, Maryland*  
Carroll, Richard Edwin  
*Merrick, New York*  
Casey, Coleman Hampton  
*New York, New York*

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- Cashmore, Terry Frank  
*Penfield, New York*
- Castle, Charles Anthony  
*Middletown, Rhode Island*
- Clapp, David Arden  
*Syracuse, New York*
- Clark, Thomas Welcome  
*Brookline, Massachusetts*
- Clarke, Edward Morton, Jr.  
*Newton Upper Falls, Massachusetts*
- Cocroft, James Ralph  
*Glenview, Illinois*
- Cohn, Steven Mark  
*Roslyn Heights, New York*
- Colburn, Donald Adams  
*Wellesley Hills, Massachusetts*
- Cole, Francis Sessions, III  
*Providence, Rhode Island*
- Collins, Stephen Weaver  
*Hastings-on-Hudson, New York*
- Comenzo, Raymond Luke  
*Brookline, Massachusetts*
- Congdon, James Herbert  
*Cranston, Rhode Island*
- Conn, Howard  
*Hampton, Virginia*
- Conover, Kirk Howard  
*Quaker Hill, Connecticut*
- Corcoran, David  
*Upper Nyack, New York*
- Corey, Edward Lee, Jr.  
*New York, New York*
- Cox, Henry Douglas  
*Terre Haute, Indiana*
- Cranch, Laurence Edward  
*Bryn Athyn, Pennsylvania*
- Cuda, Anthony Charles  
*New Hartford, New York*
- Daloz, Charles Roland  
*Peterborough, New Hampshire*
- Davidovac, Bogoljub Pavle  
*Elizabeth, New Jersey*
- Davidowicz, Robert Stanley  
*Gardner, Massachusetts*
- Davison, Ellis Haven, II  
*Grindstone, Pennsylvania*
- Dean, Stewart  
*Louisville, Kentucky*
- DeLaurentis, Michael  
*Havertown, Pennsylvania*
- de Voursney, John Andrew  
*Palatine, Illinois*
- Dick, James Vernon  
*Wellesley Hills, Massachusetts*
- Dickinson, Mark Craine  
*Lunenburg, Massachusetts*
- Dilg, Lawrence Edwin, Jr.  
*Hewlett, New York*
- Droog, Peter Michael  
*Flintshire, North Wales, England*
- Dunkerley, Craig Gordon  
*Morristown, New Jersey*
- Dunn, Thomas Freyn  
*Scarsdale, New York*
- Dwyer, Robert Jeffrey  
*Elizabeth, New Jersey*
- Ebert, Charles Josef  
*New York, New York*
- Edelman, Richard Scott  
*Great Neck, New York*
- Edie, David Boyd  
*Minneapolis, Minnesota*
- Elmendorf, Calvin Lindsay  
*Sarasota, Florida*
- English, James Russell, III  
*Shamokin, Pennsylvania*
- Esposito, Paul Joseph  
*Wellesley Hills, Massachusetts*
- Eustis, Andrew Claypoole  
*Cincinnati, Ohio*
- Evans, Peter Marlin  
*Menlo Park, California*
- Fein, Robert Allen  
*Mount Vernon, New York*
- Finn, Paul David  
*Malden, Massachusetts*
- Fishaut, Jack Mark  
*Vancouver, British Columbia, Canada*
- Fisher, Jeffrey Dorrington  
*Creve Coeur, Missouri*
- Flaccus, Peter Kimball  
*Missoula, Montana*
- Fleming, Standish Mitchell  
*South Laguna, California*
- Forester, Gary Paul  
*Oradell, New Jersey*



- Fort, David Bayard  
*Plainfield, New Jersey*
- Foster, William James, IV  
*Birmingham, Michigan*
- Fowler, Theodore Vietor, IV  
*New York, New York*
- Foye, William Lawrence, Jr.  
*New London, Connecticut*
- Francis, Richard McMaster  
*Charleston, West Virginia*
- Friedman, Dennis Gordon  
*Shaker Heights, Ohio*
- Gaddis, Eugene Richard  
*Newark, Delaware*
- Garland, Russell Mackie  
*Hingham, Massachusetts*
- Garrett, Michael Dennis  
*Stockton Springs, Maine*
- Gibbons, James Curtis  
*Greenwich, Connecticut*
- Giddings, James Potter  
*Bennington, Vermont*
- Glassman, William Edward  
*Pawtucket, Rhode Island*
- Golann, Dwight Emmanuel  
*Concord, Massachusetts*
- Goldstein, Daniel Frank  
*Washington, D.C.*
- Gordon, Claudius Alexander  
*Richmond, Virginia*
- Green, Mathewson Bushnell  
*Missoula, Montana*
- Greenberg, Michael Alan  
*Silver Spring, Maryland*
- Greene, James Whitney  
*Fair Haven, New Jersey*
- Greenstone, Wayne David  
*Livingston, New Jersey*
- Greenthal, John Lewis  
*New York, New York*
- Gregory, Richard Harrington, III  
*Bronxville, New York*
- Griffiths, James Riley  
*Park Ridge, Illinois*
- Grimes, Justin Paul  
*Waltham, Massachusetts*
- Grinnell, Daniel Voorhis  
*Winnetka, Illinois*
- Haggerty, Raymond Carpenter, III  
*Bethlehem, Pennsylvania*
- Hardy, Timothy Steiner  
*Olympia Fields, Illinois*
- Harrington, Sherwood  
*Amherst, Massachusetts*
- Hart, William Earl  
*Pittsford, New York*
- Hatton, Edward Henry, Jr.  
*Northbrook, Illinois*
- Hayden, Michael Dotterer  
*Amherst, Massachusetts*
- Heinlein, David Arthur  
*Piscataway, New Jersey*
- Henning, Peter Hemphill  
*Aurora, Illinois*
- Herzog, Michael Robert  
*Pittsford, New York*
- Hibbard, Thomas Dawes  
*Hartland, Wisconsin*
- Hight, Frank Hanford  
*Short Hills, New Jersey*
- Hills, David James  
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- Hoffmann, Thomas Burton  
*Paramus, New Jersey*
- Hogan, Bruce Wagner  
*Bad Axe, Michigan*
- Hogg, Ronald Walter  
*Philadelphia, Pennsylvania*
- Holmes, Edwin Theodore  
*Fitchburg, Massachusetts*
- Howe, Jeffrey Gordon  
*Moscow, Idaho*
- Howell, David Charest  
*Worcester, Massachusetts*
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*Shaker Heights, Ohio*
- Hoxie, Frederick Eugene  
*Honolulu, Hawaii*
- Huising, Jurgen  
*Fishers Island, New York*
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*Peoria, Illinois*
- Ihne, Robert Wayne  
*Martinsville, New Jersey*
- Ingle, Grant Meriwether  
*Hampden, Massachusetts*

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- Ives, Donald Frank  
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*Flushing, New York*
- Joas, Edward Andrew  
*Bernardsville, New Jersey*
- Johnson, Paul Andrew  
*Valley Stream, New York*
- Johnson, William L.  
*Teaneck, New Jersey*
- Jones, Kent Leonard  
*Tripoli, Libya*
- Jones, Robert Penfield, Jr.  
*Albany, New York*
- Jones, Thomas Wetteland  
*Chicago, Illinois*
- Kaczynski, Ronald Charles  
*Andover, Massachusetts*
- Kahn, Edward Stanton  
*Trenton, New Jersey*
- Kass, Jared Daniel  
*New Rochelle, New York*
- Keating, William Barry  
*Florence, Massachusetts*
- Keller, Daniel Whittemore  
*Laconia, New Hampshire*
- Kelley, Thomas Buchan  
*Winnetka, Illinois*
- Kelly, Thomas Edward  
*Reading, Massachusetts*
- Kicza, John Edward  
*Florence, Massachusetts*
- Klugman, Robert David  
*Havertown, Pennsylvania*
- Knapp, Richard David  
*Philadelphia, Pennsylvania*
- Knight, James Lawrence  
*Corning, New York*
- Knopf, Paul Vanderbilt  
*New York, New York*
- Kovacs, Alan Lawrence  
*Poughkeepsie, New York*
- Kraemer, Michael Frederick  
*Springfield, New Jersey*
- Landis, Eric  
*Highland Park, New Jersey*
- Laurence, David Ernst  
*Swampscott, Massachusetts*
- Lawlor, John Gary  
*Pittsburgh, Pennsylvania*
- Lawrence, Philip Joshua  
*Port Washington, New York*
- Lee, James Howard  
*Fairfield, Connecticut*
- Lehto, Richard Henry  
*Fitchburg, Massachusetts*
- Leinbach, John DeLong, Jr.  
*Byram, Connecticut*
- Leininger, Christopher Jerrell  
*Amherst, Massachusetts*
- Levin, Jack Gary  
*University City, Missouri*
- Levy, Ronald Stuart  
*Uniontown, Pennsylvania*
- Lewis, D. Robert, Jr.  
*Rochester, New York*
- Lewis, Karle Duncan  
*Worcester, Massachusetts*
- Liias, Jurgen Wilhelm  
*Charlestown, Massachusetts*
- Lipscomb, John DeWald  
*Deerhurst, Wilmington, Delaware*
- Looker, Thomas Gordon  
*New York, New York*
- Lotto, Edward Ernest  
*Uniondale, New York*
- Lovejoy, Samuel Holden  
*Wilbraham, Massachusetts*
- Luce, Charles Beardsley  
*Bloomfield, Connecticut*
- Lundholm, Thomas John  
*Minneapolis, Minnesota*
- Lynch, Michael Fowler  
*Arkadelphia, Arkansas*
- Lyons, Edmund Daniel, Jr.  
*Wilmington, Delaware*
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*Lexington, Massachusetts*
- Machemer, Paul Aubrey  
*Oakland, Maine*
- Magee, Douglas Cady  
*Rome, New York*

Maier, James Hollingsworth  
*Bryn Mawr, Pennsylvania*

Mann, William Joseph, Jr.  
*West Hartford, Connecticut*

Manzolari, John Clayton  
*Rochester, New York*

Marblestone, Robert Andrew  
*Manhasset, New York*

Marks, John Callison  
*Spokane, Washington*

Martin, John Garvie, III  
*Kansas City, Missouri*

McCaffrey, Timothy Barry  
*Swarthmore, Pennsylvania*

McCombs, Richard Nelson  
*Akron, Ohio*

McCormick, Richard Levis  
*Piscataway, New Jersey*

McDowell, John Anders  
*West Chester, Pennsylvania*

McGowan, William Edward  
*Storrs, Connecticut*

McGrath, Michael Anthony  
*Framingham, Massachusetts*

McNeary, Stephen Adams  
*Merion Station, Pennsylvania*

Meadow, William Lee  
*Roslyn Heights, New York*

Meyer, James, Jr.  
*New York, New York*

Michelmores, David Larkin  
*Foxboro, Massachusetts*

Miller, Robert Sargent  
*Bradford, Massachusetts*

Moates, Guy Paul  
*Lexington, Massachusetts*

Mohlman, Joseph Gray, Jr.  
*Fairfield, Connecticut*

Monk, Paul John deLashmutt  
*Kensington, Maryland*

Moore, David Thornton  
*White Plains, New York*

Moret, Richard Merrill  
*Tucson, Arizona*

Morgan, Charles Brooke  
*Pottstown, Pennsylvania*

Morgan, Paul Francis  
*Honolulu, Hawaii*

Morse, Thomas Webb  
*Concord, New Hampshire*

Muigai, Ngengi  
*Central Province, Kenya*

Murray, Alexander Gordon  
*Winnetka, Illinois*

Murray, Jeremiah Joseph Thomas  
*Long Island City, New York*

Nagata, Tsutae  
*Tokyo, Japan*

Nagler, Steven Franklin  
*Queens Village, New York*

Neel, Stephen Edward  
*Louisville, Kentucky*

Nimmons, Madison Henry, III  
*East Cleveland, Ohio*

Nostrand, Peter Ford  
*Manchester, Connecticut*

O'Grady, Gene Michael  
*Palo Alto, California*

O'Malley, Terrence Adams  
*Holyoke, Massachusetts*

Ong, Nai-Theow  
*Penang, Malaysia*

Owen, Frank Thomson Henshaw  
*Phoenix, Arizona*

Ozawa, Yoshio  
*Shiga Prefecture, Japan*

Paniagua, Mario Luis  
*Santurce, Puerto Rico*

Parkinson, James Raymond  
*Amherst, Massachusetts*

Patton, Ward Harris, III  
*Sarasota, Florida*

Peltzer, Wesley Watson  
*Salt Lake City, Utah*

Peterson, Kent Davis  
*Evanston, Illinois*

Pfeiffer, William Sanborn  
*Hudson, Ohio*

Phillips, John Work Garrett  
*Hamden, Connecticut*

Phreaner, David Gray  
*Plandome, New York*

Pistel, John Alan  
*Middletown, Connecticut*

Popejoy, John Alan  
*Malvern, Pennsylvania*

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- Posner, Joshua Lowe  
*New Rochelle, New York*
- Post, Edward Tanner, Jr.  
*Chappaqua, New York*
- Preston, Richard Stephen  
*Short Hills, New Jersey*
- Quinn, Joseph Francis, Jr.  
*Baltimore, Maryland*
- Rea, David Sherman  
*Ann Arbor, Michigan*
- Reay, David Simmons  
*Garden City, New York*
- Revington, George Daley, IV  
*West Lafayette, Indiana*
- Rhoades, William Divers  
*Bloomington, Indiana*
- Roberts, David Hall  
*Washington, D.C.*
- Rodgers, Terry Philip  
*Potomac, Maryland*
- Rubé, Allan Joseph  
*Orlando, Florida*
- Santonelli, Steven  
*Wakefield, Massachusetts*
- Sargent, Peter Bradlee  
*Dover, Massachusetts*
- Saunders, William George, Jr.  
*New Britain, Connecticut*
- Savidge, George Mark  
*Lambertville, New Jersey*
- Schaeffer, Michael Meabon  
*Philadelphia, Pennsylvania*
- Sellin, Joseph Henry  
*Syracuse, New York*
- Sendzik, Jay Conway  
*Brick Town, New Jersey*
- Shaffer, Gregory John  
*Nutley, New Jersey*
- Shahnawaz, Muneer  
*Karachi, Pakistan*
- Sherman, David George  
*Teaneck, New Jersey*
- Sieck, John Carleton  
*Scarsdale, New York*
- Siffert, John Sand  
*New York, New York*
- Silverman, Jay Ross  
*Rockville Centre, New York*
- Silvestri, Peter Beradino  
*Hartford, Connecticut*
- Simmonds, Albert William  
*Memphis, Tennessee*
- Simpkins, Cuthbert Ormond, II  
*Hollis, New York*
- Simpson, Robert Emmett, Jr.  
*Longmeadow, Massachusetts*
- Smith, James Harold  
*Amherst, Massachusetts*
- Snedecor, Peter James  
*Shaker Heights, Ohio*
- Snyder, Colby Hopewell  
*Lancaster, Pennsylvania*
- Spear, Brian Blackburn  
*Bloomfield, New Jersey*
- Spratford, Michel Lawrence  
*Somerville, New Jersey*
- Sproul, Robert Bowden  
*Wakefield, Massachusetts*
- Stahr, John Thompson  
*Staten Island, New York*
- Stauffer, Kent Thompson  
*Trotwood, Ohio*
- Steinhart, Jonathan Ralph  
*Roselle, New Jersey*
- Steinman, James Richard  
*Hewlett Harbor, New York*
- Steketee, Richard Walton, Jr.  
*East Grand Rapids, Michigan*
- Sterner, Douglas Wyatt  
*Windsor, Connecticut*
- Sternlieb, Jeffrey Laurence  
*Kingston, Pennsylvania*
- Suh, Sang Mok  
*Seoul, Korea*
- Sullivan, Daniel Joseph, Jr.  
*Waterbury, Connecticut*
- Susi, Peter  
*Pittsfield, Maine*
- Swanson, Robert Ernest  
*Feeding Hills, Massachusetts*
- Tate, Ralph Stewart  
*Davenport, Iowa*
- Tatum, Charles Maris, Jr.  
*Radnor, Pennsylvania*
- Taylor, Geoffrey Preston  
*Middleton, Wisconsin*

Teller, Raymond Joseph  
*Philadelphia, Pennsylvania*

Thalmann, William Gregory, III  
*Long Valley, New Jersey*

Thewlis, Patrick Edward  
*Marblehead, Massachusetts*

Thomas, Frank Michael, Jr.  
*Pittsburgh, Pennsylvania*

Thompson, Loran Tyson  
*New York, New York*

Thompson, William Albert  
*Lynnfield, Massachusetts*

Thompson, William Wilson, II  
*Martinsburg, West Virginia*

Tobis, Jonathan Marvin  
*Manhasset, New York*

Uman, Howard Michael  
*Springfield, Massachusetts*

Vajda, Jorge Americo Ladislau  
*Sao Paulo, Brazil*

van Oss, Adriaan Cornelis  
*Royal Oak, Michigan*

Viscardi, Frederick John, Jr.  
*Great Barrington, Massachusetts*

Wallace, Bruce Gordon  
*Westfield, New Jersey*

Ward, Stephen Goldthwait  
*Alexandria, Virginia*

Warner, Thomas Seth  
*Syosset, New York*

Warr, Jesse James, III  
*Hyattsville, Maryland*

Waters, Emory Wallace  
*Petersburg, Virginia*

Wayne, Michael Stuart  
*Toronto, Ontario, Canada*

Weaver, Peter Charles  
*Potomac, Maryland*

Webb, Morrison DeSoto  
*South Salem, New York*

Weissman, Jon Ruston  
*Alexandria, Virginia*

Wells, Durbin Harper, Jr.  
*Sturbridge, Massachusetts*

Weyl, Stephen Edward  
*Philadelphia, Pennsylvania*

Whiteside, David Sandin  
*Brunswick, Maine*

Wilken, Alan Warren  
*Fairbanks, Alaska*

Wilson, Scott Ormsbee  
*Eugene, Oregon*

Winther, Eric Anton  
*Bloomington, Indiana*

Wojtowicz, Richard Allen  
*Amherst, Massachusetts*

Wolf, Edwin Mershon  
*Cambridge, Massachusetts*

**Juniors Class of 1970**

Abrams, Mark Abraham  
*Brooklyn, New York*

Alford, William Philip  
*Newton Centre, Massachusetts*

Alpert, Bernard Stephen  
*Potsdam, New York*

Anderson, John Robert  
*Minneapolis, Minnesota*

Armour, Timothy Woodhouse  
*Lewiston, Idaho*

Ash, Mitchell Graham  
*Louisville, Kentucky*

Ashman, Jay Irwin  
*Summit, New Jersey*

Auten, David Thomsen  
*Rochester, New York*

Bacon, William Charles  
*Brighton, Massachusetts*

Battema, William Lee  
*Darien, Connecticut*

Battocchi, Ronald Silvio  
*Hartford, Connecticut*

Baxter, William Hubbard, III  
*Cleveland, Ohio*

Beel, William James, Jr.  
*Birmingham, Michigan*

Beerbower, John Edwin  
*Dayton, Ohio*

Benatti, Paul Vernon  
*Provincetown, Massachusetts*

Bentley, George William  
*Amherst, Massachusetts*

Bernstein, Robert  
*West Orange, New Jersey*

Bertkau, Richard Cole  
*Bedford Hills, New York*



# AMHERST COLLEGE

- Bingham, Robert Dorsey  
*Shaker Heights, Ohio*
- Bohman, Eric James  
*Leverett, Massachusetts*
- Bookhout, David Alan  
*Oneonta, New York*
- Bourke, Thomas Krebs  
*Bethesda, Maryland*
- Bourque, Robert Edward  
*Augusta, Maine*
- Bowlus, James Edward  
*London, Ohio*
- Boyd, Timothy Wayne  
*Pennington, New Jersey*
- Boyer, Kenneth Duncan  
*Brooklyn, New York*
- Bradley, William J.  
*Flint, Michigan*
- Brinkley, James Foote, III  
*Seattle, Washington*
- Brock, Thomas Norris  
*Ridgewood, New Jersey*
- Bromell, Alfred Henry  
*Oyster Bay, New York*
- Brooks, Peter Sears  
*Cincinnati, Ohio*
- Cabot, James Bass  
*Wenham, Massachusetts*
- Cahan, David Harry  
*Brookline, Massachusetts*
- Callaway, Ely Reeves, III  
*New Canaan, Connecticut*
- Carafiol, Peter Coulter  
*St. Louis, Missouri*
- Carl, Jerrold DeKoven  
*Highland Park, Illinois*
- Carlone, Robert Leo  
*Red Bank, New Jersey*
- Carlson, Christopher Tapley  
*New Canaan, Connecticut*
- Carlton, David Lee  
*Spartanburg, South Carolina*
- Carter, William Leaphart  
*Elmhurst, Illinois*
- Casseres, Clark Gomes  
*Curacao, Netherlands Antilles*
- Chanin, Philip  
*Nashville, Tennessee*
- Checchi, Alfred Attilio  
*Silver Spring, Maryland*
- Cheng, Ronald Chung-Kuo  
*Dollard des Ormeaux  
Quebec, Canada*
- Cianciolo, George James  
*Waterbury, Connecticut*
- Cichon, David Robert  
*Bristol, Connecticut*
- Civin, Curt Ingraham  
*Loudonville, New York*
- Clark, Douglass Burns  
*Coral Gables, Florida*
- Clift, William Biggs, III  
*Andover, Massachusetts*
- Clyne, Terence Donelon  
*New York, New York*
- Cohen, Jonathan William  
*Bethesda, Maryland*
- Colglazier, Michael Davis  
*Richmond, Virginia*
- Conger, Steven Janeway  
*Denver, Colorado*
- Cook, Edmund Garretson, III  
*Rosemont, Pennsylvania*
- Cooke, Carlton Perry, III  
*Buffalo, New York*
- Craige, Ernest, Jr.  
*Chapel Hill, North Carolina*
- Cranch, Cedric Daryl  
*Bryn Athyn, Pennsylvania*
- Crary, James George  
*Huntington, New York*
- Cummins, David Bryan  
*Hewlett, New York*
- Curry, James Elliot  
*Oak Park, Illinois*
- Dash, Harold  
*Wyncote, Pennsylvania*
- Davis, Mark Winslow  
*Katonah, New York*
- Decyk, Viktor Konstantyn  
*Pawtucket, Rhode Island*
- Dein, James Lindall  
*Pelham, New York*
- DeLapp, Barry Craig  
*New Canaan, Connecticut*
- DeMaria, Robert, Jr.  
*Northport, New York*

## JUNIORS

- Denyer, Brian Lindsay  
*Hightstown, New Jersey*
- Dewdney, John Ronald  
*Durham, New Hampshire*
- Dibble, Francis Daniel, Jr.  
*Marion, Massachusetts*
- Diggs, Bradley Craig  
*Missoula, Montana*
- Dorman, Peter FitzGerald  
*Blauvelt, New York*
- Dorman, Thomas Kirk  
*Rockville, Maryland*
- Dorwart, David Andrew  
*Mansfield Center, Connecticut*
- Driscoll, Brian Girard  
*Framingham, Massachusetts*
- Duboff, Robert Samuel  
*Scarsdale, New York*
- Durrett, Phillip LeRoy  
*Quincy, Illinois*
- Edelstein, William  
*Brooklyn, New York*
- Edwards, Walter Sherman  
*Rumford, Rhode Island*
- Einhorn, Jonathan Jay  
*New Haven, Connecticut*
- Eisen, William Jay  
*University Heights, Ohio*
- Eisenhower, Dwight David, II  
*Phoenixville, Pennsylvania*
- Faris, George Thomas, IV  
*Glenside, Pennsylvania*
- Farrell, Paul Raymond  
*Oceanside, New York*
- Ferguson, Charles Augustus, Jr.  
*Norbeck, Maryland*
- Fiske, Stephen Howard  
*Middlebury, Vermont*
- Forbess, John David  
*Longmeadow, Massachusetts*
- Fowler, John Homer  
*Enfield, Connecticut*
- Garberson, James Whitney  
*New York, New York*
- Garton, Joseph Walter  
*Sheboygan, Wisconsin*
- Gaspard, Richard Eddy, Jr.  
*Honolulu, Hawaii*
- Gilliss, Thomas Park  
*Stamford, Connecticut*
- Goggin, John Keith  
*Magnolia, Massachusetts*
- Goodwin, James Hildreth  
*Darien, Connecticut*
- Gordon, Joseph Wayne  
*Skokie, Illinois*
- Grahame, John Dakin  
*Amherst, Massachusetts*
- Green, Christopher Ellis  
*Winchester, Massachusetts*
- Greenberg, John Stewart  
*Elkins Park, Pennsylvania*
- Greenblatt, Daniel Lawrence  
*Newton Highlands, Massachusetts*
- Greene, Christopher Taylor  
*Angola, New York*
- Griffin, Francis Lee  
*Petersburg, Virginia*
- Griggs, Lewis Brown  
*St. Paul, Minnesota*
- Guetti, Michael Charles  
*Hooksett, New Hampshire*
- Gustafson, Peter Roland  
*West Boylston, Massachusetts*
- Hall, Mark Roberts  
*Seattle, Washington*
- Hall, William Carl  
*West Hartford, Connecticut*
- Handsher, David Samuel  
*University City, Missouri*
- Harrington, Richard Daniel  
*Springfield, Massachusetts*
- Harris, Mark P.  
*Briarcliff Manor, New York*
- Hart, Philip Thomas, Jr.  
*Springfield, Massachusetts*
- Hayes, William Danforth, III  
*Worcester, Massachusetts*
- Hemenway, Andrew Maine  
*Northford, Connecticut*
- Herkenham, Miles Alan  
*Mill Valley, California*
- Hibbard, Chase Tyler  
*Helena, Montana*
- Hicks, Peter Clayton  
*Worcester, Massachusetts*

# AMHERST COLLEGE

- |   |  |
|---|--|
| Hodson, John Ralph<br><i>Brussels, Belgium</i>                | Klinedinst, Charles Broeman<br><i>Cincinnati, Ohio</i>       |
| Hogness, Erik Rusten<br><i>Seattle, Washington</i>            | Knowlton, Robert Gentry<br><i>Weston, Massachusetts</i>      |
| Hoke, Barry Owen<br><i>Casper, Wyoming</i>                    | Knox, James Charlton<br><i>Basking Ridge, New Jersey</i>     |
| Horan, Thomas Francis<br><i>Edina, Minnesota</i>              | Krieger, Karl Hemingway<br><i>Missoula, Montana</i>          |
| Howard, David Alan<br><i>Great Neck, New York</i>             | Kyff, Robert Stewart<br><i>Armonk, New York</i>              |
| Howes, Reginald LeRoy<br><i>Southampton East, Bermuda</i>     | LaFerriere, Paul Gerard<br><i>Cherry Hill, New Jersey</i>    |
| Howland, Peter Adoue<br><i>Warwick, Rhode Island</i>          | Laurence, Hugh Getty<br><i>Whitby, Ontario, Canada</i>       |
| Humphrey, Peter Whiting<br><i>Ithaca, New York</i>            | Leavitt, Andrew Morton<br><i>Los Angeles, California</i>     |
| Hunt, Charles David<br><i>Columbus, Ohio</i>                  | Levine, Peter Mark<br><i>Brooklyn, New York</i>              |
| Huseman, Floyd Van<br><i>Corpus Christi, Texas</i>            | Lin, John Pou-Chung<br><i>Flushing, New York</i>             |
| Inouye, Allan Ames<br><i>Honolulu, Hawaii</i>                 | Lobel, Steven Mark<br><i>Rockville Centre, New York</i>      |
| Jacobson, Abram Robert<br><i>Newton, Massachusetts</i>        | Lwebuga-Mukasa, Jamson<br><i>Kampala, Uganda</i>             |
| Jaffe, Alan Howard<br><i>Great Neck, New York</i>             | Mantica, Robert Philip<br><i>Milton, Massachusetts</i>       |
| Jarchow, Bruce Alan<br><i>Winnetka, Illinois</i>              | Manwell, James Francis<br><i>Hudson, Ohio</i>                |
| Johnson, Bruce Stuart<br><i>Basking Ridge, New Jersey</i>     | Martin, Kenneth Trerise<br><i>Rye, New York</i>              |
| Jones, Lawrence Massey<br><i>Baltimore, Maryland</i>          | Mastronarde, Donald John<br><i>Hartford, Connecticut</i>     |
| Kalter, James Andrew<br><i>New York, New York</i>             | May, Kenneth Sargeant<br><i>South Amherst, Massachusetts</i> |
| Kaplan, Michael Matthew<br><i>Newton, Massachusetts</i>       | Mays, Samuel Hardwicke, Jr.<br><i>Memphis, Tennessee</i>     |
| Karanikolas, William George<br><i>Glen Rock, New Jersey</i>   | Mays, Stuart O'Donald Roberts<br><i>Bethesda, Maryland</i>   |
| Kehoe, John Edward<br><i>Davenport, Iowa</i>                  | McGee, Palmer Scott, III<br><i>Farmington, Connecticut</i>   |
| Kellogg, Richard Gregory<br><i>Boothbay, Maine</i>            | McKitterick, Thomas Smith<br><i>Darien, Connecticut</i>      |
| Kelly, John Thomas<br><i>West Deerfield, Massachusetts</i>    | McNeer, Richard Mason, III<br><i>Montpelier, Vermont</i>     |
| Kenworthy, James Nelson<br><i>Colonia, New Jersey</i>         | Meek, Allen George<br><i>Wilton, Connecticut</i>             |
| Kingsley, Samuel John<br><i>Pacific Palisades, California</i> | Meeker, Richard Halliday<br><i>Washington, D.C.</i>          |

- Merrell, Woodson Charles  
*Pittsburgh, Pennsylvania*
- Merrick, Brian John  
*New York, New York*
- Mersereau, Warren Wilder  
*Glen Rock, New Jersey*
- Michael, James Elder, Jr.  
*Gambier, Ohio*
- Michelmores, Thomas Richard  
*Glenhead, New York*
- Miller, Thomas Edwin Stephenson  
*Bloomington, Indiana*
- Miner, David Willman  
*Owosso, Michigan*
- Mintzer, Paul  
*Hollywood, Florida*
- Moest, Robert Charles  
*Buffalo, New York*
- Murray, Jeffrey Parker  
*Schenectady, New York*
- Morrison, Harry Geoffrey  
*Lincoln, Rhode Island*
- Myers, Fred Ralph  
*Narberth, Pennsylvania*
- Nathan, Robert Stuart  
*St. Louis, Missouri*
- Neale, Christopher Edwin  
*Jenkintown, Pennsylvania*
- Neale, Timothy Arthur  
*Jenkintown, Pennsylvania*
- Neff, Douglas Cameron  
*Nashville, Tennessee*
- Nelson, Eric George  
*Wakefield, Massachusetts*
- Nicholson, Jeffrey Scott  
*Pittsfield, Massachusetts*
- Nicklas, Brent Robert  
*Cooperstown, New York*
- Nielsen, Robert Warner  
*Christiansted, Virgin Islands*
- Norris, Kingsley Chamberlain, II  
*Locust, New Jersey*
- Noyes, Edmund Greenleaf, Jr.  
*New Britain, Connecticut*
- O'Connell, John Geoffrey  
*Worcester, Massachusetts*
- Ogden, Richard Leslie  
*Harrison, New York*
- Oliphant, Thomas Pritchard  
*Albany, New York*
- Osborn, Earl Dodge  
*Belvedere, California*
- Parakilas, James Paul  
*Enfield, Connecticut*
- Patterson, Eric Haines  
*Amherst, Massachusetts*
- Pattillo, Manning Mason, III  
*Bronxville, New York*
- Pelletier, Richard Daniel  
*Hyannis, Massachusetts*
- Pereira, Gabriel Macedo  
*New Bedford, Massachusetts*
- Phillips, Richard James  
*Westfield, New Jersey*
- Porter, David Hill  
*Wellesley, Massachusetts*
- Post, Jonathan French Scott  
*Rochester, New York*
- Potanka, Edward Paul  
*Avon, Connecticut*
- Putnam, Brock, II  
*Belmont, Massachusetts*
- Quinn, Daniel Richard  
*Uncasville, Connecticut*
- Ragland, Lawrence Carey  
*Lawrenceville, Virginia*
- Rainey, Thomas Day  
*San Antonio, Texas*
- Ransmeier, Denis Sirera  
*Concord, New Hampshire*
- Redhorse, David  
*Farmington, New Mexico*
- Reich, Jay Allen  
*Pittsburgh, Pennsylvania*
- Reichelderfer, Mark  
*Winnetka, Illinois*
- Reicher, Thomas Zachary  
*Syracuse, New York*
- Reichert, Robert Allan  
*Wilmette, Illinois*
- Reimherr, John Philip  
*Schenectady, New York*
- Reinus, John Francis  
*New York, New York*
- Reynolds, David Spencer  
*West Barrington, Rhode Island*

# AMHERST COLLEGE

- Richmond, John Hart  
*Tucson, Arizona*
- Roby, David Stafford  
*Berlin, Connecticut*
- Roeder, Richard Kenneth  
*Summit, New Jersey*
- Rosenblum, Peter Marc  
*New York, New York*
- Rothendler, James Adam  
*Scarsdale, New York*
- Rutter, William Whitfield, Jr.  
*Wakefield, Massachusetts*
- Ryder, Jeff Wreden  
*Miami, Florida*
- Salisbury, Frederick Eugene  
*Kansas City, Missouri*
- Sanger, David Maurice  
*Tenaflly, New Jersey*
- Santos, John Gerald  
*Billerica, Massachusetts*
- Sarafan, Peter Michael  
*Rockville Centre, New York*
- Sayle, Kenneth Ted  
*Larchmont, New York*
- Sessions, Stuart Lunsford  
*St. Louis, Missouri*
- Seward, Stephen Clark  
*Wappingers Falls, New York*
- Shako, Brent William  
*Latham, New York*
- Shaw, Warren Hansen  
*York, Maine*
- Sheehan, Gerard John  
*Irvington, New Jersey*
- Sheldon, William Burtis  
*Garden City, New York*
- Shevlin, William Winslow  
*Wakefield, Massachusetts*
- Shiboh, Mitsukazu  
*Tokyo, Japan*
- Sidman, Lawrence Richard  
*Chestnut Hill, Massachusetts*
- Sievert, Frederick James  
*Livonia, Michigan*
- Siguler, George William  
*Cleveland, Ohio*
- Sims, Andrew Barnett  
*New Rochelle, New York*
- Sims, Richard Verden  
*Summit, New Jersey*
- Smith, Hunter Hudson Cole  
*Huntingdon Valley, Pennsylvania*
- Smith, Milford Knowles, Jr.  
*Rutland, Vermont*
- Smith, Richard Michael Daniel  
*Cranston, Rhode Island*
- Smith, Stewart Wylie  
*Pittsburgh, Pennsylvania*
- Smythe, Charles Wyatt, Jr.  
*Haverford, Pennsylvania*
- Soule, Robert Monroe, Jr.  
*Melrose, Massachusetts*
- Southworth, Jeffrey Glidden  
*Averill Park, New York*
- Spiegel, Lawrence Alan  
*Portland, Maine*
- Spielman, Robert Morris  
*West Orange, New Jersey*
- Stern, Steven  
*Elkins Park, Pennsylvania*
- Stewart, Colin Emerson  
*Chapel Hill, North Carolina*
- Strandburg, Robert John  
*Chappaqua, New York*
- Strayhorn, Joseph Mallory, Jr.  
*Nashville, Tennessee*
- Sucsy, Robert James  
*East Hampton, New York*
- Swainbank, Daniel Robinson  
*St. Johnsbury, Vermont*
- Swift, Douglas Albert  
*Syracuse, New York*
- Swigert, Stephen Bruce  
*Rye, New York*
- Talbot, Jones Harold, III  
*Springfield, Massachusetts*
- Taylor, John Arthur, III  
*Hartford, Connecticut*
- Thamavit, Sansoen  
*Bangkok, Thailand*
- Thistlethwaite, James Richard, Jr.  
*Washington, D.C.*
- Thompson, David Sinclair  
*Swarthmore, Pennsylvania*
- Thompson, Richard Stanley  
*San Bernardino, California*



## SOPHOMORES

- |  |   |
|--|---|
| <p>Thornbury, Arthur Stanley, Jr.<br/><i>Birmingham, Michigan</i></p> <p>Triano, George Louis<br/><i>Naugatuck, Connecticut</i></p> <p>Trithart, David Irvin<br/><i>White Plains, New York</i></p> <p>Troland, Thomas Hugh<br/><i>New London, Connecticut</i></p> <p>Tucker, Byron Glen<br/><i>Chattanooga, Tennessee</i></p> <p>Tucker, Charles Robert<br/><i>Providence, Rhode Island</i></p> <p>Turow, Scott Frederic<br/><i>Winnetka, Illinois</i></p> <p>Uyehara, Christopher Ken<br/><i>West Chester, Pennsylvania</i></p> <p>Van Etten, David Hoyt<br/><i>Boston, Massachusetts</i></p> <p>Vetterling, William Thomas<br/><i>Greenfield, Massachusetts</i></p> <p>Viall, Thomas Radford<br/><i>East Providence, Rhode Island</i></p> <p>Vournas, George Christopher<br/><i>St. Louis, Missouri</i></p> <p>Ward, Calvin Peter, Jr.<br/><i>Chicago, Illinois</i></p> <p>Ward, Philip John<br/><i>Springfield, Massachusetts</i></p> <p>Ward, Steven Eric<br/><i>Waban, Massachusetts</i></p> <p>Wardley, George Paul<br/><i>Madison, New Jersey</i></p> <p>Waskiewicz, David Edward<br/><i>Amherst, Massachusetts</i></p> <p>Weaver, Richard Roy<br/><i>Larchmont, New York</i></p> <p>Webber, Alan Michael<br/><i>St. Louis, Missouri</i></p> <p>Weber, Eric Williams<br/><i>Mountain Lakes, New Jersey</i></p> <p>Weiner, Michael Seth<br/><i>Bronx, New York</i></p> <p>Weinhaus, Richard Steven<br/><i>St. Louis, Missouri</i></p> <p>Weir, William Thomas<br/><i>Hiram, Ohio</i></p> <p>Wessels, Stephen Wallace<br/><i>West Hartford, Connecticut</i></p> | <p>Wiedmann, Clark Allen<br/><i>Palos Verdes, California</i></p> <p>Wilcox, William Webb<br/><i>Meriden, Connecticut</i></p> <p>Willard, John Morris<br/><i>Chappaqua, New York</i></p> <p>Willoughby, Richard Rawlings<br/><i>Warren, Ohio</i></p> <p>Wilson, Neil Proctor, Jr.<br/><i>Cape Coral, Florida</i></p> <p>Wilson, Steven Brooks<br/><i>Pittsford, New York</i></p> <p>Winn, Dennis Lee<br/><i>Dallas, Texas</i></p> <p>Winslow, James Weeks<br/><i>Tarboro, North Carolina</i></p> <p>Witten, Montgomery Wray<br/><i>Bronxville, New York</i></p> <p>Wodlinger, Eric Winslow<br/><i>Kodiak, Alaska</i></p> <p>Wold, Ronald Odin<br/><i>Beaverton, Oregon</i></p> <p>Wolff, Peter Uri<br/><i>Syracuse, New York</i></p> <p>Wolff, Thomas Allan<br/><i>Bronxville, New York</i></p> <p>Wood, Robert Aldace<br/><i>West Boylston, Massachusetts</i></p> <p>Woolf, Burton Israel<br/><i>Brookline, Massachusetts</i></p> <p>Woolrich, Robert James Philip<br/><i>Yonkers, New York</i></p> <p>Yaghjian, David Henry<br/><i>Columbia, South Carolina</i></p> <p>Zarin, David Paul<br/><i>South Orange, New Jersey</i></p> <p>Zenick, Mark William<br/><i>Waterbury, Connecticut</i></p> <p>Zimmerman, John Jeffrey<br/><i>Algonquin, Illinois</i></p> <p>Zoulalian, George Paul<br/><i>Revere, Massachusetts</i></p> <p>Zuckerman, Lanny Marc<br/><i>Yorktown Heights, New York</i></p> |
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- Sophomores Class of 1971**

Abbey, Douglas Dix  
*Chappaqua, New York*

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# AMHERST COLLEGE

- Abrahamson, Robert Louis  
*Elkins Park, Pennsylvania*
- Adams, Roger Cole  
*Chestnut Hill, Massachusetts*
- Agnew, Peter Tomlin  
*Summit, New Jersey*
- Ahern, John Joseph, III  
*Excelsior, Minnesota*
- Albisetti, James Charles  
*Williamsville, New York*
- Allen, Bruce Edgerton  
*Canton, Massachusetts*
- Allen, Taylor Metcalf  
*Rockport, Maine*
- Alper, Jonathan Louis  
*Chevy Chase, Maryland*
- Anderson, Herbert Clark  
*Evansville, Indiana*
- Anderson, John Arvid  
*Portland, Connecticut*
- Andrews, Robert Goff  
*St. Paul, Minnesota*
- Andrews, Terry Leland  
*Lincoln, Illinois*
- Axinn, Lennard Dale  
*Huntington, New York*
- Bacon, Douglas Arms  
*Amherst, Massachusetts*
- Bailey, Michael Jack  
*Louisville, Georgia*
- Bartlett, David Scott  
*Chevy Chase, Maryland*
- Bartlett, Leslie Dale  
*Gossville, New Hampshire*
- Barwick, William Durham  
*Atlanta, Georgia*
- Beach, David Hugh  
*Tarrytown, New York*
- Beckerman, Dale Lee  
*Omaha, Nebraska*
- Bedard, Richard Frank  
*Springfield, Massachusetts*
- Beeson, John Robinson  
*Chappaqua, New York*
- Belding, David French  
*St. Johnsbury, Vermont*
- Benge, Guy Thomas  
*Caracas, Venezuela*
- Bias, Thomas Grantland  
*Baltimore, Maryland*
- Bicknell, John Leonard  
*Marshfield, Massachusetts*
- Bliss, John Wheeler  
*Locust Valley, New York*
- Bottiggi, James Augustus  
*Barre, Vermont*
- Boxer, Martin Brand  
*Scarsdale, New York*
- Bradley, John Mackemer  
*Peoria, Illinois*
- Bradley, Michael Allen  
*North Smithfield, Rhode Island*
- Brody, Martin Alan  
*Elgin, Illinois*
- Brown, Garrett Mills  
*Darien, Connecticut*
- Brown, Robert Alden  
*Buffalo, New York*
- Brudney, James Julius  
*New York, New York*
- Butterfield, Bruce Scott  
*Haworth, New Jersey*
- Caroff, Peter  
*New York, New York*
- Carroll, William Joseph Edward  
*Reading, Massachusetts*
- Cassidy, Owen Michael  
*Lynbrook, New York*
- Chapin, John Alexander  
*Wellesley Hills, Massachusetts*
- Chase, Rodman Abbot  
*Bristol, Rhode Island*
- Claflin, Edward Beecher  
*Cleveland, Ohio*
- Clauss, Roy Stuart  
*New York, New York*
- Coffin, Mark Tristram  
*Haverford, Pennsylvania*
- Cohen, Robert Alan  
*Newburgh, New York*
- Cole, Harry Fahrig  
*Providence, Rhode Island*
- Collins, John Harding Horan  
*Chevy Chase, Maryland*
- Comfort, Richard Whiteley, Jr.  
*Columbus, Ohio*
- Compton, Joseph Emerett, III  
*Detroit, Michigan*
- Cope, Stephen Crothers  
*Wooster, Ohio*

## SOPHOMORES

- Corbett, Alfred Hoyt, Jr.  
*Washington, D.C.*
- Cornell, Christopher Lloyd  
*Providence, Rhode Island*
- Couper, Barrett Williams  
*Clinton, New York*
- Crimp, David Hathaway  
*Downingtown, Pennsylvania*
- Croft, Frederick Titus  
*New York, New York*
- Crosson, David Anthony  
*West Hartford, Connecticut*
- Cummings, Roger Holt  
*Birmingham, Michigan*
- Cushman, Frank Pendleton  
*Amherst, Massachusetts*
- Danforth, Loring Mandell  
*Westwood, Massachusetts*
- Daniel, Errol Valentine  
*Haverhill, Massachusetts*
- Daring, Kevin Mason  
*Clarks Summit, Pennsylvania*
- Dasher, John Morton  
*Darien, Connecticut*
- Davis, Thomas Milburn, III  
*Arlington, Virginia*
- De Bree, Thomas Dean  
*Pearl River, New York*
- DeForge, Michael Glynn  
*Agawam, Massachusetts*
- DeWitt, Norman Wentworth, II  
*Minneapolis, Minnesota*
- DeWitt, Thomas Gebhard  
*Michigan City, Indiana*
- Dickinson, John Carlton  
*East Aurora, New York*
- di Sant'Agnese, Paul Anthony  
*Washington, D.C.*
- Donovan, Thomas Edward  
*Norwood, Massachusetts*
- Dorrance, Christopher Allison  
*Penfield, New York*
- Dowding, Piers Hugh Tremeneheere  
*Rochester, New York*
- Duffield, Christopher  
*Tucson, Arizona*
- Duffy, Kirk Mallory  
*Greenwich, Connecticut*
- Dunn, Stephen Cameron  
*Rumson, New Jersey*
- Ellenport, Robert Saul  
*Union, New Jersey*
- Elliott, Robert Raymond, III  
*Interlaken, New York*
- Elman, Joseph Shalit  
*Bethesda, Maryland*
- Elster, James Richard  
*Tenaflly, New Jersey*
- Emory, David Alan  
*Scarsdale, New York*
- English, Edward Robertshaw  
*Dedham, Massachusetts*
- Farwell, Steven Austin  
*Northbrook, Illinois*
- Fawcett, Robert Sayers  
*Cedar Rapids, Iowa*
- Feierabend, Raymond Hopkins, Jr.  
*Baton Rouge, Louisiana*
- Fels, Peter Louis  
*Los Angeles, California*
- Finlayson, Ian Edward  
*Toronto, Ontario, Canada*
- Fischer, Frederick John  
*St. Paul, Minnesota*
- Fish, Robert Stuart  
*Baltimore, Maryland*
- Fisher, Andrew Randolph  
*New York, New York*
- Flewelling, Robert Arthur  
*Crouseville, Maine*
- Fobi, Simon Nchinda  
*Bamenda, West Cameroon*
- Francis, Carl Arthur  
*Springfield, Massachusetts*
- Francis, Henry Minton, Jr.  
*Riverdale, New York*
- Frazer, James Nisbet, Jr.  
*Atlanta, Georgia*
- Freeman, George Henry  
*Rego Park, New York, N.Y.*
- French, Peter Haskins  
*Wellesley Hills, Massachusetts*
- Fuller, Thomas Hoyt, Jr.  
*Portsmouth, Virginia*
- Garlan, David Barnard  
*Portland, Oregon*
- Gilbert, Charles Douglas  
*Great Neck, New York*
- Gilkeson, John Shanklin, Jr.  
*Claremore, Oklahoma*

# AMHERST COLLEGE

Glantz, Jonathan Richard  
*Rockville Centre, New York*

Goggans, Frederick Crawford  
*Fort Worth, Texas*

Goldman, Henry Frank  
*Rockville Centre, New York*

Goodman, Richard Stuart  
*St. Paul, Minnesota*

Goodrich, David West  
*Santa Barbara, California*

Gordon, Peter Hofman  
*Beachwood, Ohio*

Grandy, Wilbert Haywood, Jr.  
*Washington, D.C.*

Gudridge, Kevin Bradley  
*Rockville, Maryland*

Gunnels, Stephen Hugh  
*Chesterfield, Missouri*

Haley, Jeffrey Thornton  
*Tacoma, Washington*

Haley, Joaquin Bradford  
*North Chicago, Illinois*

Handyside, Read Shailer  
*Schenectady, New York*

Harding, Robert Weld, Jr.  
*Augusta, Georgia*

Harris, Benjamin Fulliard  
*Dallas, Texas*

Hastil, John Christopher Patrick  
*Bayside, New York*

Hawkins, Robert Wilson  
*Charlottesville, Virginia*

Hayden, Timothy David  
*Amherst, Massachusetts*

Heck, Richard Charles, Jr.  
*Royal Oak, Michigan*

Heller, Jonathan O'Neill  
*Middletown, New Jersey*

Hellerman, James Guy  
*Longmeadow, Massachusetts*

Hendricks, John Kelly Philip  
*Meadville, Pennsylvania*

Hill, Steven Devereux  
*Marblehead, Massachusetts*

Hoadley, Thomas Arthur  
*Milford, New Hampshire*

Hom, Anthony James  
*Albertson, New York*

Horn, Steven Eliot  
*Scarsdale, New York*

Howe, Frank Alexander  
*Cincinnati, Ohio*

Hoyt, David Butler  
*Akron, Ohio*

Hudson, Tom Scott  
*Zionsville, Indiana*

Ignatoff, Elisha M.  
*Bronx, New York*

Israels, Michael Jozef  
*New York, New York*

Jaenike, John Robert, Jr.  
*Pittsford, New York*

Jakobek, James Wallace  
*Merrimac, Massachusetts*

Johnson, David Robert Michael  
*Windsor, Connecticut*

Johnson, Gregory Keith  
*Cincinnati, Ohio*

Jones, John Christopher  
*Bronx, New York*

Jones, Robert Lee  
*Bristol, Connecticut*

Jones, Robert Lee  
*Tulsa, Oklahoma*

Karter, Michael Joshua  
*New York, New York*

Kaufman, Daniel Jonathan  
*Great Neck, New York*

Kay, Jonathan Nueve  
*Wilmington, Delaware*

Kelly, Denis Francis  
*Worcester, Massachusetts*

Kendall, William Robert  
*Stroudsburg, Pennsylvania*

Kenyon, Allen T. Scott  
*New Rochelle, New York*

Kister, Edward Arthur, Jr.  
*Pittsburgh, Pennsylvania*

Klein, Laurence Alan  
*Brooklyn, New York*

Koths, Kirston Edward  
*Storrs, Connecticut*

Kozlow, Gerald Michael  
*Dearborn Heights, Michigan*

Kriss, Eric Arthur  
*Stanford, California*

Landers, Thomas Patrick Mark  
*Hartford, Connecticut*

Landmesser, Charles Watson  
*Loudonville, New York*

## SOPHOMORES

Lanza, John Francis, Jr.  
*Hingham, Massachusetts*

Laracuenta, Harry  
*New York, New York*

Laurenson, Edwin Charles  
*Canton, Ohio*

Leonard, Daniel Pitt  
*Darien, Connecticut*

Lerner, Corey Eliot  
*Rego Park, New York*

Lewy, Glen Sheldon  
*New Milford, New Jersey*

Lhomond, Jean Yves  
*Tours, France*

Lincoln, Edward John  
*Basking Ridge, New Jersey*

Linker, Jonathan Steven  
*Ringoes, New Jersey*

Lipsky, Abbott Bennett, Jr.  
*Cedar Rapids, Iowa*

Little, Justin Frank  
*Moorestown, New Jersey*

Lockwood, John Stephen  
*Bogota, New Jersey*

Low, Stuart  
*Danvers, Massachusetts*

Lucas, Frederick Vance, Jr.  
*Columbia, Missouri*

Luce, Robert Warren  
*Moorestown, New Jersey*

Mack, George Edgar  
*Litchfield, Connecticut*

MacKay, Leigh Barbour  
*Marshfield, Massachusetts*

Mackie, John Perkins  
*Stockbridge, Massachusetts*

Madow, Michael Peter  
*Valley Stream, New York*

Malick, Daniel Franklin  
*Monroeville, Pennsylvania*

Mandelbaum, Joel  
*Brooklyn, New York*

March, Charles Whipple  
*Needham, Massachusetts*

Marino, Michael Joseph  
*Farmington, Connecticut*

Marinucci, Ronald Eugene  
*Dearborn, Michigan*

Mason, John Dudley  
*Catlettsburg, Kentucky*

Matis, Louis Alan  
*Woodmere, New York*

Mayo, Thomas William  
*Holyoke, Massachusetts*

McBride, John Hammond, Jr.  
*West Hartford, Connecticut*

McEvoy, Peter Bens  
*Bangor, Maine*

McKenna, John Andrew  
*San Mateo, California*

McKeon, John Harold, Jr.  
*Moorestown, New Jersey*

McNamara, Robert James  
*New York, New York*

McNeer, Craig Selden  
*Montpelier, Vermont*

McNitt, Willard Charles, III  
*Winnetka, Illinois*

Meletiche, Pascual  
*New York, New York*

Merrill, Charles Clement  
*Omaha, Nebraska*

Merves, Edward Hofkin  
*Philadelphia, Pennsylvania*

Miller, Keith Lawrence  
*Glencoe, Illinois*

Mixer, Roger Conant, Jr.  
*Milwaukee, Wisconsin*

Monego, John Edwin  
*Sherborn, Massachusetts*

Monroe, Paul Sheldon  
*Chatham, New Jersey*

Moore, Heath  
*Easton, Pennsylvania*

Moore, William Fowler  
*Lewiston, Idaho*

Moriarty, Marshall Theodore  
*Springfield, Massachusetts*

Morris, Robert Lorenzo  
*Jamaica, New York*

Mudge, John Tenbroeck  
*Lyme, New Hampshire*

Murchison, Wallace Carmichael, Jr.  
*Wilmington, North Carolina*

Nater, Timothy Michael James  
*Dorset, England*

Nathan, David Matthew  
*Rockville Centre, New York*

Nickerson, Daniel Warren  
*Portsmouth, New Hampshire*



# AMHERST COLLEGE

Oxtoby, Thomas Corning  
*Bryn Mawr, Pennsylvania*

Palmer, Ernest, III  
*Winnetka, Illinois*

Parten, John Randolph  
*Madisonville, Texas*

Pearson, Stanford Carl  
*Tampa, Florida*

Pelletier, Michael  
*St. Louis, Missouri*

Perez, Jose Garcia  
*Chappaqua, New York*

Perkins, Andrew Mensel  
*Batavia, New York*

Petersen, Jeffrey Williams  
*Troy, New York*

Peterson, John Howard  
*New Richmond, Wisconsin*

Pettit, William Arthur Gerard  
*Buffalo, New York*

Pfeil, John Frederick  
*Port Allegany, Pennsylvania*

Phillips, Edward Rooker  
*Southampton, Massachusetts*

Pinsof, Lawrence Daniel  
*Winnetka, Illinois*

Playe, Stephen Jan  
*Homewood, Illinois*

Podell, Ronald Mark  
*Elizabeth, New Jersey*

Pomeroy, Tennyson Lee, II  
*North Reading, Massachusetts*

Ponemone, Scott Davis  
*Randallstown, Maryland*

Pritzker, Marc Richard  
*St. Paul, Minnesota*

Quill, Timothy Edward  
*Marblehead, Massachusetts*

Reed, James Keel  
*Woodstown, New Jersey*

Reed, Stephen Alan  
*Rochester, New York*

Rhodes, Roger Walker  
*Amherst, Massachusetts*

Richmond, John Alan  
*Tampa, Florida*

Rimmer, Norman David  
*Wellesley, Massachusetts*

Rizzo, Joseph Nicholas, Jr.  
*Manhasset, New York*

Robinson, William Eric  
*Woodland, California*

Roderick, Barry Nelson  
*Oxford, Maine*

Rogalski, Gary Louis  
*Westland, Michigan*

Romano, Gennaro Anthony, III  
*Derby, Connecticut*

Rosenthal, Andrew Martin  
*Woodcliff Lake, New Jersey*

Rowley, William Robert  
*Natick, Massachusetts*

Ryan, Russell Lloyd Ranson  
*East Grand Rapids, Michigan*

Salem, David William  
*N. Brookfield, Massachusetts*

Samaras, Alexandros Constantine  
*Athens, Greece*

Sandhaus, Richard Carl  
*Westport, Connecticut*

Schoonmaker, William Barnes  
*Ventura, California*

Schott, Winfried  
*Port Washington, New York*

Schwarz, Ralph  
*Westport, Connecticut*

Scott, Terrence Lyon  
*Maplewood, New Jersey*

Segal, Eric Lloyd  
*Worcester, Massachusetts*

Sernaker, Harry Lewis  
*Bayside, New York*

Shepardson, Rodney Beale  
*Reston, Virginia*

Shook, James Merrill  
*Scotia, New York*

Sills, Marc Alan  
*Chelmsford, Massachusetts*

Simko, Michael Devlin  
*Trenton, New Jersey*

Sims, Charles Stephen  
*Detroit, Michigan*

Sizer, Joseph Edwin, III  
*Minneapolis, Minnesota*

Smart, Robert Thomas, Jr.  
*Braintree, Massachusetts*

Smith, Crawford Cunningham  
*Wilkes-Barre, Pennsylvania*

Smith, Jeffrey Davis  
*Endicott, New York*

## SOPHOMORES

- Smith, Mark Alan  
*East Meadow, New York*
- Smith, Michael Raymond  
*Baltimore, Maryland*
- Smith, Thomas Russell  
*Dansville, New York*
- Smith, Winthrop Hiram, Jr.  
*Morris, Connecticut*
- Snyder, Gordon Barnefield  
*Woodbridge, Connecticut*
- Solkow, Michael Bruce  
*Scarsdale, New York*
- Solomon, Rodney Jeff  
*Cincinnati, Ohio*
- Sparks, Robert Steven  
*St. Louis, Missouri*
- Spear, Frank Shaw  
*Westport, Connecticut*
- Spector, Paul David  
*Hartford, Connecticut*
- Spivack, Carl R.  
*New York, New York*
- Stark, Whitney Williams, III  
*New City, New York*
- Stec, Philip Joseph Edward  
*Newington, Connecticut*
- Stephens, Paul Richard  
*Circleville, Ohio*
- Stevenson, Mark Andrew  
*Lancaster, Pennsylvania*
- Stifler, David Evans  
*Baltimore, Maryland*
- Stoddard, Edward Forrest, III  
*Amherst, Massachusetts*
- Stott, Frederic Sanderson  
*Andover, Massachusetts*
- Stowe, James Borst  
*North Haven, Connecticut*
- Strickler, Charles Suplee, Jr.  
*Gladwyne, Pennsylvania*
- Suher, Thomas Richard  
*Springfield, Massachusetts*
- Sutphin, Gregory Barton  
*Huntington, New York*
- Tait, Raymond Caldwell  
*Summit, New Jersey*
- Tamsky, Adam  
*West Hartford, Connecticut*
- Taunton, Joel Christopher  
*Glen Rock, New Jersey*
- Taylor, Thomas Glanville  
*Providence, Rhode Island*
- Teichgraeber, Richard Frederick, III  
*Houston, Texas*
- Tolan, Thomas Lawrence, III  
*Milwaukee, Wisconsin*
- Tombs, Edward Andrew Alfred  
*Port Credit, Ontario, Canada*
- Tucker, Herbert Frederick, Jr.  
*Rumford, Rhode Island*
- Turton, Roger Wilmot  
*Greenfield, Massachusetts*
- Valens, Marc John  
*Mill Valley, California*
- Valiunas, Dominic Rytis  
*New Rochelle, New York*
- Vander Heide, Douglas John  
*Beverly Hills, California*
- Van Dyk, Gerald Johan  
*Baldwinsville, New York*
- Varney, Ronald Dixon  
*Yardley, Pennsylvania*
- Vitello, Ernest Allen  
*Derby, Connecticut*
- Vitousek, Peter Morrison  
*Honolulu, Hawaii*
- Volet, Thomas  
*Roslyn, New York*
- Wartenberg, Thomas Eliot  
*Great Neck, New York*
- Warthen, John Benton, III  
*Vidalia, Georgia*
- Watts, Gregory Lawrence  
*Rochester, New York*
- Webber, William Sutton, IV  
*Great Barrington, Massachusetts*
- Weeks, Robert Roland  
*Seattle, Washington*
- Wenzel, Robert Frederick  
*St. Louis, Missouri*
- Wesson, Laurence Nathaniel  
*Rosemont, Pennsylvania*
- Westbrook, Nicholas Kilmer  
*Ballston Spa, New York*
- Whalen, Thomas Joseph, III  
*Stoughton, Massachusetts*
- Wheeler, William Randolph  
*Durham, New Hampshire*
- Whitaker, Daniel Collier  
*Falls Church, Virginia*

# AMHERST COLLEGE

Whittemore, Stanley Lawrence, Jr.  
*Winnetka, Illinois*

Wilkes, Charles Cafritz  
*Bethesda, Maryland*

Wilkins, Arthur Carroll  
*Silver Spring, Maryland*

Williams, Wilburn, Jr.  
*Greenwood, Mississippi*

Willing, Brooke Anspach  
*Falmouth Foreside, Maine*

Yarchoan, Robert  
*Oceanside, New York*

Zaffetti, Dennis John Joseph  
*Hartford, Connecticut*

Zins, Barry Lewis  
*Chester, New Jersey*

## Freshmen Class of 1972

Ackerman, Stark  
*Allentown, Pennsylvania*

Adolfi, Henry Joseph  
*Rome, New York*

Aitken, Bruce Gardiner  
*Belem, Para, Brazil*

Alexander, George Martin  
*Athens, Greece*

Allen, William Neal  
*Portland, Maine*

Allmart, William George  
*Wayne, Illinois*

Anderson, Douglas Alan  
*Cincinnati, Ohio*

Babington, Douglas Neil  
*Stamford, Connecticut*

Bainbridge, Robert Hastings  
*Chestnut Hill, Massachusetts*

Barbour, Bernard Eric  
*East Orange, New Jersey*

Barr, Philip Edward  
*Agoura, California*

Bartkowski, Adam Stanely  
*Irvington, New Jersey*

Beck, Max William  
*Yeadon, Pennsylvania*

Bedwell, William Brian  
*Grosse Pointe Farms, Michigan*

Bell, Robert Kenneth  
*Bronx, New York*

Benson, Richard Addison  
*Sturgis, Michigan*

Berman, Arthur Emmet  
*Cincinnati, Ohio*

Bernstein, Louis Benson  
*Glen Cove, New York*

Berry, Jeffery Paul  
*FPO New York, New York*

Bevan, Mark Filbert  
*Baltimore, Maryland*

Biggs, Eric Richard  
*Eugene, Oregon*

Bishop, David Hardy  
*Westport, Connecticut*

Bittman, James Brown  
*Ann Arbor, Michigan*

Black, Jonathan Roberts  
*Wakefield, Massachusetts*

Blackwell, Thomas Wrightington  
*Lexington, Massachusetts*

Blair, Mitchell Warren  
*Malverne, New York*

Blockwick, Craig Nicholas  
*McLean, Virginia*

Bodine, Laurence  
*Sioux City, Iowa*

Boehm, Stephen Jordan  
*Washington, D.C.*

Borton, Richard Warren  
*Huntingdon Valley, Pennsylvania*

Botteon, Alan John  
*Southington, Connecticut*

Brady, Thomas Geoffrey  
*Lynnfield, Massachusetts*

Brailow, David Gregory  
*Keuka Park, New York*

Branigan, Mark Christopher  
*Armonk, New York*

Briliant, Seth Howard  
*Ventnor, New Jersey*

Broadbent, John Howard  
*East Providence, Rhode Island*

Brock, James Thacher  
*Ridgewood, New Jersey*

Bromell, Nicholas Knowles  
*FPO New York, New York*

Brothers, Larry Lester  
*East Rochester, New York*

Bruner, Robert Ray  
*Kansas City, Missouri*

## FRESHMEN

- Bulman, Michael Shea  
*Bethesda, Maryland*
- Butrica, James Lawrence  
*Magnolia, New Jersey*
- Cadwell, Steven Allen  
*Pittsford, Vermont*
- Campbell, Scott Glenn  
*Wethersfield, Connecticut*
- Canady, Peter Gregson  
*Arlington, Massachusetts*
- Carr, Jesse Huntington  
*Middletown, Connecticut*
- Case, David Randall  
*East Grand Rapids, Michigan*
- Cavalier, Stevan John  
*Louisville, Kentucky*
- Chan, Anthony Sing Lam  
*Honolulu, Hawaii*
- Chapman, Paul LeGrand  
*Fayetteville, New York*
- Chrisemer, Kurvin Edgar Wier  
*Pottstown, Pennsylvania*
- Clamurro, Gary David  
*Nutley, New Jersey*
- Cloues, Richard Ross  
*Warner, New Hampshire*
- Cockshutt, Timothy Geoffrey  
*Red Bank, New Jersey*
- Cody, Eric Peer  
*Cincinnati, Ohio*
- Cody, Jeffrey William  
*Westbury, New York*
- Cohen, Richard Bruce  
*East Rockaway, New York*
- Cohn, Daniel Richard  
*Stamford, Connecticut*
- Cornigans, Robert Lee  
*Bay Shore, New York*
- Cousey, Stephen John  
*Waterbury, Connecticut*
- Coyle, Donald Lorne  
*Ridgewood, New Jersey*
- Crane, William Franz  
*Dallas, Texas*
- Craven, Jeffrey Alan  
*Pittsford, New York*
- Crittenden, Rupert Dukas  
*Carmel, California*
- Cummings, George Edward  
*South Boston, Massachusetts*
- Cummins, John Patrick James, III  
*Olean, New York*
- Cutler, Stephen Alan  
*Morristown, New Jersey*
- Daly, Dennis Anthony  
*Avon, Connecticut*
- Danner, Robert Frederick, Jr.  
*Needham, Massachusetts*
- Dase, Wolfgang Arthur  
*Shelton, Connecticut*
- Davis, Douglas Alan  
*River Forest, Illinois*
- DeMartine, Joseph Robert  
*USDESEA, APO New York, New York*
- Dempsey, David Barnes  
*Manchester, Massachusetts*
- Diamond, William David  
*Westport, Connecticut*
- Dietz, Abraham Pinanski  
*Newton Centre, Massachusetts*
- Domingue, Gregory Allen  
*Baton Rouge, Louisiana*
- Dore, Michael Patrick  
*North Bergen, New Jersey*
- Doubleday, William Alan  
*Amherst, Massachusetts*
- Drisko, James Winship  
*Yonkers, New York*
- Dunn, Christopher Romney  
*Westwood, Massachusetts*
- Eaton, Robert Ayers, Jr.  
*Hingham, Massachusetts*
- Egan, Michael James, II  
*Timonium, Maryland*
- Eggers, Richard Melvin  
*DeWitt, New York*
- Ellis, Gregory Russell  
*New Britain, Connecticut*
- Emberson, Richard Maury, Jr.  
*Huntington, New York*
- Facey, Roger Duncan  
*Westbury, New York*
- Ferrandino, Vincent Luke  
*Norwalk, Connecticut*
- Feuerstein, Lee William  
*New York, New York*
- Filler, John Nicholas  
*Williamstown, Massachusetts*

# AMHERST COLLEGE

- |   |  |
|---|--|
| Fisher, Robert David<br><i>Brooklyn, New York</i>               | Hart, Henry Ashton<br><i>Bethesda, Maryland</i>              |
| Fitts, Douglas Allan<br><i>Barre, Vermont</i>                   | Hartzler, Joseph Henry<br><i>Worthington, Ohio</i>           |
| Flynn, Maurice Richard, III<br><i>Malden, Massachusetts</i>     | Hastings, Richard Radcliffe<br><i>Pelham Manor, New York</i> |
| Fort, Timothy Ward<br><i>Plainfield, New Jersey</i>             | Hathaway, David Laurence<br><i>Amherst, Ohio</i>             |
| Fox, James Warren<br><i>Sudbury, Massachusetts</i>              | Hauger, William Doit<br><i>Westminster, Massachusetts</i>    |
| Franke, Jay Robert<br><i>Milwaukee, Wisconsin</i>               | Hazen, Steven Roger<br><i>Tucson, Arizona</i>                |
| Fugett, Jean Schloss, Jr.<br><i>Baltimore, Maryland</i>         | Heald, Geoffrey Thayer<br><i>Hingham, Massachusetts</i>      |
| Gang, Stephen Ralph<br><i>Upper Montclair, New Jersey</i>       | Heard, Joseph Garrett, IV<br><i>Wellesley, Massachusetts</i> |
| Garcia, Franco, Jr.<br><i>Westfield, Massachusetts</i>          | Heffernan, Edwin James<br><i>Kennebunk, Maine</i>            |
| Gillette, Clayton Porter<br><i>New Haven, Connecticut</i>       | Heim, Stephen Mark<br><i>Burlington, Vermont</i>             |
| Godek, Edward Joseph, Jr.<br><i>South Hadley, Massachusetts</i> | Helfand, David John<br><i>Mattapoisett, Massachusetts</i>    |
| Gordon, Harold Damery<br><i>Schenectady, New York</i>           | Hemley, Frederick August<br><i>New York, New York</i>        |
| Gordon, John Davidson<br><i>Wilmington, Delaware</i>            | Hoag, John Aronow<br><i>Grosse Pointe, Michigan</i>          |
| Greenough, Walter Croan<br><i>New York, New York</i>            | Hoag, Selwyn Barton, III<br><i>Littleton, Colorado</i>       |
| Griffiths, Robert Pennell<br><i>Hinsdale, Illinois</i>          | Hoffman, Mark Alan<br><i>West Newton, Massachusetts</i>      |
| Griffiths, Thomas Llewelyn<br><i>Park Ridge, Illinois</i>       | Holzman, Thomas Ludwig<br><i>Lexington, Massachusetts</i>    |
| Grimes, Stephen Arthur<br><i>Don Mills, Ontario, Canada</i>     | Hoxsie, Kenneth Allen<br><i>Warwick, Rhode Island</i>        |
| Haag, Gary Eden<br><i>Ivyland, Pennsylvania</i>                 | Ingalls, John Sumner<br><i>Binghamton, New York</i>          |
| Hager, Bradford Hoadley<br><i>Johnstown, Pennsylvania</i>       | Jay, Jeffrey Alan<br><i>Trenton, New Jersey</i>              |
| Hall, Burton Robert<br><i>Bethesda, Maryland</i>                | Johnson, Douglas Clark<br><i>Evanston, Illinois</i>          |
| Hamilton, John Francis<br><i>Forestville, Connecticut</i>       | Jones, Jeffrey Rickey<br><i>Elmira, New York</i>             |
| Hammen, Charles Scott<br><i>Amherst, Massachusetts</i>          | Katz, Stuart George<br><i>Bloomfield, Connecticut</i>        |
| Harding, James Linley<br><i>Simsbury, Connecticut</i>           | Keene, John Willis, Jr.<br><i>Willimantic, Connecticut</i>   |
| Harris, Thomas Norman<br><i>Piedmont, California</i>            | Kelleher, Michael Harry<br><i>Medfield, Massachusetts</i>    |
| Hart, Henry, III<br><i>Philadelphia, Pennsylvania</i>           | Kerst, Richard Duncan<br><i>Katonah, New York</i>            |



## FRESHMEN

- Kessler, William Warren  
*Yonkers, New York*  
 Kim, Dae-Young  
*Washington, D.C.*  
 Kingman, Robert Edwin  
*Wayzata, Minnesota*  
 Kloepfer, George Joseph, II  
*Buffalo, New York*  
 Kornblith, Gary John  
*Pound Ridge, New York*  
 Koulouris, Paul Eustratius  
*Wakefield, Massachusetts*  
 Kramer, John Howard  
*Bethesda, Maryland*  
 Kroboth, Frank James, III  
*New Hartford, New York*  
 Kuperberg, Mark Jeffrey  
*Monsey, New York*  
 Landfield, Timothy Arnold  
*Hyattsville, Maryland*  
 Leach, James David  
*Tacoma, Washington*  
 Lebowitz, Brian Ephraim  
*Austin, Texas*  
 Lee, David Robinson  
*New Salem, Massachusetts*  
 Leigh, Armistead Macon, III  
*Shaker Heights, Ohio*  
 Lenz, William Ernest, III  
*Haverstraw, New York*  
 Leonard, Gregory Louis  
*Boston, Massachusetts*  
 Levenson, David Jeffrey  
*Pittsburgh, Pennsylvania*  
 Levy, Philip Raphael  
*Denver, Colorado*  
 Lichte, John Allen  
*Lodi, Wisconsin*  
 Lind, Robert Lockwood  
*Nashua, New Hampshire*  
 Lipscomb, Thomas Roger  
*Wilmington, Delaware*  
 Maislen, Alan David  
*West Hartford, Connecticut*  
 Maitland, James Campbell  
*Northfield, Minnesota*  
 Manstein, Carl Howard  
*Rydal, Pennsylvania*  
 Martz, Peter Morris  
*Alexandria, Virginia*  
 Marx, David, Jr.  
*Highland Park, Illinois*  
 Maynard, Thomas Eugene  
*Groton, Connecticut*  
 Mead, Albert Edward, Jr.  
*San Marino, California*  
 Menzies, Douglas MacLaurin  
*Ossining, New York*  
 Messing, Gary Marc  
*New York, New York*  
 Metzger, Jeffrey Paul  
*Binghamton, New York*  
 Miliotis, Mark George  
*Melrose, Massachusetts*  
 Miller, James Alan  
*New Hartford, New York*  
 Miller, James Doull  
*La Canada, California*  
 Mitchell, Robert Lawton, Jr.  
*Garden City, New York*  
 Montgomery, John Milton  
*Abington, Pennsylvania*  
 Moore, Robert Wood, Jr.  
*Easton, Pennsylvania*  
 Moore, William John, III  
*Winnetka, Illinois*  
 Moss, Thomas Verne  
*Edina, Minnesota*  
 Murphy, Timothy Cornelius  
*Stoneham, Massachusetts*  
 Murray, David Kassor  
*Syracuse, New York*  
 Norton, Christopher John  
*New York, New York*  
 Offen, David Scott  
*Princeton, Massachusetts*  
 Ogilvie, Robert James  
*St. Louis, Missouri*  
 Orent, Clifford  
*West Newton, Massachusetts*  
 Orr, Gregory John  
*Agawam, Massachusetts*  
 Orr, John Christopher  
*Fruita, Colorado*  
 Ostrander, Remsen Griggs, III  
*Southampton, New York*  
 Page, Terence Bowman  
*Bethesda, Maryland*  
 Parkhurst, Robert Bruce  
*Shaker Heights, Ohio*

# AMHERST COLLEGE

- Pates, James Morgan  
*Fredericksburg, Virginia*
- Payton, Jeffery Lewis  
*Amherst, Massachusetts*
- Peace, William Patton  
*St. Albans, Vermont*
- Peddicord, Douglas Jeffrey  
*Baltimore, Maryland*
- Pergola, Ronald Charles  
*New Milford, New Jersey*
- Perr, Norman Seth  
*Rockville Centre, New York*
- Perry, John Richard  
*Aurora, New York*
- Peters, Frederick Charles, II  
*Rosemont, Pennsylvania*
- Phillips, Malcolm Charles  
*Valley Stream, New York*
- Pilgrim, David Matthew  
*Brooklyn, New York*
- Planting, Charles Scott  
*St. Louis, Missouri*
- Plough, Jonathan Irvin  
*Bethesda, Maryland*
- Pollard, Brian Francis  
*Winnetka, Illinois*
- Porter, Horace Anthony  
*Columbus, Georgia*
- Potanka, Paul Edward  
*Avon, Connecticut*
- Quaintance, Robert Forsyth, Jr.  
*Wilmette, Illinois*
- Rain, John Wharton  
*Dallas, Texas*
- Ramsey, Kenneth Allen  
*Cincinnati, Ohio*
- Randall, Dean Bowman, Jr.  
*Excelsior, Minnesota*
- Ray, David Allan  
*Williamsville, New York*
- Reichstein, Benjamin James  
*Skokie, Illinois*
- Reilly, Kevin Connelly  
*Darien, Connecticut*
- Rice, Edward Werner, III  
*Larchmont, New York*
- Richards, Lee Sumner, III  
*Bedford, New York*
- Richardson, Victor Waldo  
*Tulsa, Oklahoma*
- Ritter, John Randolph  
*Allentown, Pennsylvania*
- Roberts, Christopher Chalmers  
*Washington, D.C.*
- Roberts, William Bailey  
*Waban, Massachusetts*
- Rodrigues, Michael Noel  
*Bronx, New York*
- Romero, Edgar Charles  
*Seattle, Washington*
- Rosen, Mark Alan  
*West Hartford, Connecticut*
- Rosenbaum, Robert Leonard  
*Mt. Vernon, New York*
- Rosenberg, Samuel Isadore  
*Baltimore, Maryland*
- Rosenbloom, Shepard David  
*Interlaken, New Jersey*
- Rosepink, Robert Joseph  
*Pittsburgh, Pennsylvania*
- Rounseville, William Robinson  
*Newton Centre, Massachusetts*
- Rubin, Michael Harry  
*New Orleans, Louisiana*
- Rubin, Wayne Mitchell  
*Fair Lawn, New Jersey*
- Ryan, Thomas Grady  
*Milwaukee, Wisconsin*
- Sachs, Joseph Frederick  
*Bronxville, New York*
- Sahakian, Richard Lewis  
*Dedham, Massachusetts*
- Salmi, Paul David  
*Holden, Massachusetts*
- Sawyers, Peter Cobb  
*Claremont, California*
- Sayward, David William  
*Concord, New Hampshire*
- Scharf, Paul Lloyd  
*Roslyn, New York*
- Schatteman, Geoffry Chardule  
*Moline, Illinois*
- Scheinfeldt, Jerry Karl  
*East Hartford, Connecticut*
- Schoff, William Lincoln, Jr.  
*Flourtown, Pennsylvania*
- Scott, Hector Lloyd  
*Hartford, Connecticut*
- Seaman, Henry Morgan  
*Federal Way, Washington*

## FRESHMEN

- Senten, Jan William  
*Mexico 10, D.F. Mexico*
- Shak, Steven  
*Cranford, New Jersey*
- Shapiro, Philip Nathan  
*Lewiston, Maine*
- Shea, Peter Michael  
*Pittsford, New York*
- Shimkus, David William  
*South Boston, Massachusetts*
- Sinclair, Peter Edgcomb  
*Ridgewood, New Jersey*
- Sklaver, Gary Peter  
*Middlebury, Connecticut*
- Small, Wilfred Thomas, Jr.  
*Worcester, Massachusetts*
- Snider, Frederic Girvan  
*White Plains, New York*
- Somogyi, James William  
*Poughkeepsie, New York*
- Sorgi, Louis Vincent, Jr.  
*Milton, Massachusetts*
- Spear, Brian Hartwell  
*Worcester, Massachusetts*
- Stanback, Thomas Melville, III  
*Larchmont, New York*
- Stanne, Stephen Peter  
*Amherst, Massachusetts*
- Starkweather, George Allen, III  
*Havertown, Pennsylvania*
- Steere, David Faulkner  
*Providence, Rhode Island*
- Stephenson, John Frederick  
*Wilmette, Illinois*
- Stevenson, Mark Milam  
*Tarkio, Missouri*
- Stewart, Robert Terhune  
*Far Hills, New Jersey*
- Stickney, Kenneth John, Jr.  
*Cranston, Rhode Island*
- Stirn, Bradley Albert  
*Cleveland, Ohio*
- Stisser, Robert Gridley  
*Riverside, Connecticut*
- Stone, Michael Cutler  
*Berwyn, Pennsylvania*
- Strimer, Steven Overton  
*Delaware, Ohio*
- Suneson, Neil Hedner  
*Winchester, Massachusetts*
- Swartz, Dale Frederick, III  
*Darien, Connecticut*
- Swensson, Stuart Jordan, III  
*Terrace Park, Ohio*
- Tabenkin, Mark Seth  
*West Caldwell, New Jersey*
- Tallow, Matthew Alan  
*West Hartford, Connecticut*
- Teutsch, Clifford Lawrence  
*Glens Falls, New York*
- Thompson, Bruce Pollock  
*Swarthmore, Pennsylvania*
- Thompson, Myron  
*Newark, New Jersey*
- Tidwell, Geoffrey Beatty  
*Lima, Peru*
- Tolle, Stephen John  
*Hingham, Massachusetts*
- Torem, Christopher Charles  
*New York, New York*
- Trencher, Peter Austin  
*Glen Cove, New York*
- Tritschler, David James  
*Creve Coeur, Missouri*
- Tunstall, Garnett Taylor, Jr.  
*Silver Spring, Maryland*
- Turesky, David Samuel  
*Portland, Maine*
- Tuttle, Robert Hayes  
*Stanford, California*
- Tyree, Gill Morgan  
*Washington, D.C.*
- Ullian, Joseph Alan  
*Merrick, New York*
- Urban, Thomas Stephen  
*Arlington, Virginia*
- Vairo, Edward James  
*New York, New York*
- Valenzuela, Gil Ramón  
*Washington, D.C.*
- Viner, Brant Leed  
*Washington, D.C.*
- Vogelsberg, Walter Herbert, II  
*Radnor, Pennsylvania*
- Vusi, Ibrahim Sixtus  
*Bamenda, West Cameroon*
- Wagner, Richard George, Jr.  
*Cranford, New Jersey*
- Wailes, Richard Carey  
*Lutherville, Maryland*

# AMHERST COLLEGE

- |   |   |
|---|---|
| Walker, Geoffrey Stearns<br><i>River Forest, Illinois</i>     | Winslow, David, Jr.<br><i>Tiburon, California</i>       |
| Wallack, Lewis Mark<br><i>Beachwood, Ohio</i>                 | Wolf, Leslie Eric<br><i>Shaker Heights, Ohio</i>        |
| Walsh, Sean Patrick<br><i>Bronx, New York</i>                 | Wolpaw, Daniel Rick<br><i>Shaker Heights, Ohio</i>      |
| Ward, James Bradford<br><i>Little Ferry, New Jersey</i>       | Wormley, Wayne Marvin<br><i>Grambling, Louisiana</i>    |
| Welch, John Stewart<br><i>Raleigh, North Carolina</i>         | Yamins, Robert Joseph<br><i>Freeport, New York</i>      |
| Wicklatz, James David<br><i>Wayzata, Minnesota</i>            | Yardley, Stephen Keyes<br><i>Needham, Massachusetts</i> |
| Williams, Russell Eugene<br><i>Orangeburg, South Carolina</i> | Yates, David Carleton<br><i>Circleville, Ohio</i>       |
| Willoughby, John Rawling, III<br><i>Warren, Ohio</i>          | Yaw, Gregory Russell<br><i>Jamestown, New York</i>      |
| Wilson, Charles Steele<br><i>Washington, D.C.</i>             | Young, Ronald Henry<br><i>Fort Pierce, Florida</i>      |
| Wilson, Geoffrey Alan<br><i>Dover, Massachusetts</i>          | Zametkin, Alan Joel<br><i>Providence, Rhode Island</i>  |

## SUMMARY

### SUMMARY OF ENROLLMENT

|                                     |     |                                    |             |
|-------------------------------------|-----|------------------------------------|-------------|
| Seniors, Class of 1969 . . . . .    | 302 | Freshmen, Class of 1972 . . . . .  | 309         |
| Juniors, Class of 1970 . . . . .    | 304 | Students not enrolled for a degree | 8           |
| Sophomores, Class of 1971 . . . . . | 309 | Total . . . . .                    | <u>1232</u> |

### CLASSIFICATION BY RESIDENCE

|                                |     |                                |             |
|--------------------------------|-----|--------------------------------|-------------|
| New York . . . . .             | 263 | Idaho . . . . .                | 3           |
| Massachusetts . . . . .        | 197 | Oklahoma . . . . .             | 3           |
| Connecticut . . . . .          | 100 | South Carolina . . . . .       | 3           |
| New Jersey . . . . .           | 96  | Alaska . . . . .               | 2           |
| Pennsylvania . . . . .         | 77  | Nebraska . . . . .             | 2           |
| Ohio . . . . .                 | 48  | West Virginia . . . . .        | 2           |
| Illinois . . . . .             | 47  | Arkansas . . . . .             | 1           |
| Maryland . . . . .             | 41  | Mississippi . . . . .          | 1           |
| California . . . . .           | 27  | New Mexico . . . . .           | 1           |
| Michigan . . . . .             | 24  | Utah . . . . .                 | 1           |
| Missouri . . . . .             | 23  | Wyoming . . . . .              | 1           |
| Rhode Island . . . . .         | 23  | Canada . . . . .               | 8           |
| Minnesota . . . . .            | 18  | Japan . . . . .                | 4           |
| Maine . . . . .                | 17  | Brazil . . . . .               | 2           |
| Virginia . . . . .             | 17  | England . . . . .              | 2           |
| District of Columbia . . . . . | 15  | Greece . . . . .               | 2           |
| New Hampshire . . . . .        | 15  | West Cameroon . . . . .        | 2           |
| Vermont . . . . .              | 12  | Belgium . . . . .              | 1           |
| Texas . . . . .                | 11  | Bermuda . . . . .              | 1           |
| Florida . . . . .              | 10  | France . . . . .               | 1           |
| Washington . . . . .           | 9   | Kenya . . . . .                | 1           |
| Wisconsin . . . . .            | 9   | Korea . . . . .                | 1           |
| Indiana . . . . .              | 8   | Libya . . . . .                | 1           |
| Delaware . . . . .             | 6   | Malaysia . . . . .             | 1           |
| Georgia . . . . .              | 6   | Mexico . . . . .               | 1           |
| Hawaii . . . . .               | 6   | Netherlands Antilles . . . . . | 1           |
| Tennessee . . . . .            | 6   | Pakistan . . . . .             | 1           |
| Arizona . . . . .              | 5   | Peru . . . . .                 | 1           |
| Iowa . . . . .                 | 5   | Puerto Rico . . . . .          | 1           |
| Kentucky . . . . .             | 5   | Thailand . . . . .             | 1           |
| Montana . . . . .              | 5   | Uganda . . . . .               | 1           |
| North Carolina . . . . .       | 5   | Venezuela . . . . .            | 1           |
| Colorado . . . . .             | 4   | Virgin Islands . . . . .       | <u>1</u>    |
| Louisiana . . . . .            | 4   | Total . . . . .                | <u>1224</u> |
| Oregon . . . . .               | 4   |                                |             |





# VI

THE SOCIETY OF THE ALUMNI

THE ALUMNI COUNCIL

THE ALUMNI ASSOCIATIONS

*Buckley Hall in the Amherst Music Building*





# The Society of the Alumni

## OFFICERS

*Honorary President:* Sidney D. Chamberlain, '14

*President:* James P. Wilkerson, '37

*Vice Presidents:* Roger C. Holden, '19; Herbert M. Walker, '24; Horace C. Moses, Jr., '29; J. Paull Marshall, '34; John W. Atherton, '39.

*Secretary-Treasurer:* J. Alfred Guest, '33

## COMMITTEES

*Nominating Committee:* William E. Whitney, Jr. '54, *Chairman*; Harold L. Warner, Jr. '34; Gordon E. Cole, Jr. '44; Gerald D. Reilly, '49; Peter T. Esty, '59

*Inspectors of Election:* William H. Ross, '29 (*Chairman*); John H. Hills, '31; H. Hills Skillings, '38

*Committee to Nominate Alumni Trustees:* David D. McNeish, '49, *Chairman*; John W. White, '34; C. George Taylor, '39; Andrew C. Bailey, '44; Maurice A. Longworth, Jr. '54

The Annual Meeting of The Society of the Alumni is held in Commencement Week.

# The Alumni Council

## OFFICERS

*Chairman:* James P. Wilkerson, '37

*Secretary:* J. Alfred Guest, '33

## EXECUTIVE COMMITTEE

Miner D. Crary, Jr., '42 (Chairman); Seth H. Dubin, '54; Stephen W. Grant, '30; Walter J. Hunziker, Jr., '51; James B. Lyon, '52; Dolph W. Zink, '43

## REPRESENTATIVES OF CLASSES

|      |                     |      |                          |
|------|---------------------|------|--------------------------|
| 1892 | Allan P. Ball       | 1928 | Stuart Pike              |
| 1900 | Osmond J. Billings  | 1929 | Geoffrey G. Felt         |
| 1901 | Joseph Warner       | 1930 | Richard W. Loud          |
| 1903 | Albert W. Atwood    | 1931 | S. Harris Johnson, III   |
| 1904 | Ernest M. Whitcomb  | 1932 | William T. Stewart, Jr.  |
| 1906 | Carl E. Hollender   | 1933 | Richard H. Gregory       |
| 1908 | Hugh W. Hubbard     | 1934 | John W. White            |
|      | Robert H. Kennedy   | 1935 | Arthur R. English        |
| 1909 | Robert C. Chapin    | 1936 | George T. Bristol, Jr.   |
| 1910 | John Porter         | 1937 | Richard S. Zeisler       |
| 1912 | Maurice J. Levy     | 1938 | Bennett Meyers           |
| 1913 | Edward S. Morse     | 1939 | Channing R. Richardson   |
|      | Henry S. Loomis     | 1940 | Louis F. Eaton, Jr.      |
| 1914 | Maurice F. Childs   | 1941 | Robert G. Ingraham       |
| 1915 | William Whiting     | 1942 | Edward J. Kneeland       |
| 1916 | Homans Robinson     | 1943 | Andrew Fisher            |
| 1917 | Donald E. Temple    | 1944 | Meredith N. Stiles       |
|      | Eric H. Marks       | 1945 | Samuel F. Trull          |
| 1918 | William B. Stitt    | 1946 | Robert W. Sucsy          |
| 1919 | Herman W. Wessel    | 1947 | Louis R. Lyman, Jr.      |
| 1920 | Perry B. Jenkins    | 1948 | William W. Lawrence, Jr. |
| 1921 | John N. Worcester   | 1949 | S. Bradford Tingley      |
| 1922 | Edward S. O'Donnell | 1950 | Frank G. Stisser, Jr.    |
| 1923 | Harry S. Ferguson   | 1951 | Thomas H. Wyman          |
| 1924 | Richard S. Kyle     | 1952 | Mercer D. Tate           |
| 1925 | Merton L. Griswold  | 1953 | Charles M. Strait        |
| 1926 | Paul C. French      | 1954 | Jon F. Oster             |
| 1927 | Robert A. Arms      | 1955 | Alling Brown             |



## THE ALUMNI COUNCIL

|      |                           |      |                     |
|------|---------------------------|------|---------------------|
| 1956 | Peter G. Hindle           | 1962 | Brian Christaldi    |
| 1957 | Robert E. Keiter          | 1963 | Mark E. Meyerson    |
| 1958 | C. Michael Spero          | 1964 | Peter D. Kleinman   |
| 1959 | Peter T. Esty             | 1965 | William R. Buechner |
|      | John W. Edwards           | 1966 | Charles K. Wray     |
| 1960 | David I. Shactman         | 1967 | Irvin D. Gordon     |
| 1961 | Alexander S. Twombly, III | 1968 | Claude A. Pickens   |

## REPRESENTATIVES OF ALUMNI ASSOCIATIONS

|   |   |
|---|---|
| <i>Arizona (Phoenix)</i><br>Eric H. Marks '17                         | <i>Maine</i><br>Richard S. Wolfe '52  |
| <i>Arizona (Tucson)</i><br>Linn M. Hazen '33                          | <i>Massachusetts (Central)</i><br>Thomas D. Bushman '51                           |
| <i>Baltimore</i><br>Stephen T. Ellen '37                              | <i>Michigan</i><br>Richard J. Langs '55   |
| <i>Boston</i><br>Lucian J. Colucci '37                                | <i>Minnesota</i><br>Charles McL. Webster  |
| <i>California (Northern)</i><br>David Winslow '38                     | <i>New Hampshire</i><br>Harold C. F. Hammerstrom '28                              |
| <i>California (Southern)</i><br>William L. Plunkett '51               | <i>New York (City)</i><br>William E. Whitney, Jr. '54                             |
| <i>Cape Cod</i><br>Nelson Stone '13                                   | <i>New York (Central)</i><br>Robert B. Simonton '54                               |
| <i>Chicago</i><br>Robert B. Jarchow '44<br>Austin M. Zimmerman '31    | <i>New York (Northeastern)</i><br>V. Earl Nicklas '39                             |
| <i>Connecticut</i><br>J. Herbert Arnold, Jr. '43                      | <i>New York (Westchester)</i><br>Clifford B. Storms '54                           |
| <i>Connecticut (Southern)</i><br>Victor R. Pattengill, Jr. '39        | <i>New York (Western)</i><br>W. Barry Mallon '44                                  |
| <i>Connecticut Valley</i><br>Edward A. Buck '32<br>Daniel Leavitt '45 | <i>Ohio (Central)</i><br>John W. Edwards '59                                      |
| <i>Florida (Gulf Coast)</i><br>James J. Corral '40                    | <i>Ohio (Northern)</i><br>R. G. McCreary, Jr. '40                                 |
| <i>Florida (Southern)</i><br>William Atwill '26                       | <i>Ohio (Valley)</i><br>Stuart J. Swesson, Jr. '46                                |
| <i>Georgia</i><br>Lee N. Lindemann '59                                | <i>Pennsylvania (Western)</i><br>Robert L. Monroe '53                             |
| <i>Hawaii</i><br>Alexander C. Marrack '55                             | <i>Philadelphia</i><br>Herbert H. Middleton, Jr. '50<br>George C. Corson, Jr. '56 |
| <i>Indiana</i><br>Gerry LaFollette '55                                | <i>Rhode Island</i><br>C. George Taylor '39                                       |

## AMHERST COLLEGE

### *Rochester*

James A. Reed, Jr. '52  
Robert G. McGrath '52

### *Rocky Mountain*

Frederick K. Conover II '55

### *St. Louis*

William H. Webster '45

### *Texas (Dallas)*

Frederick M. Smith II '56

### *Texas (Houston)*

Jules E. Schneider, Jr. '52

### *The Columbia*

Edgar A. Taylor, Jr. '30

### *Washington, D.C.*

William C. Hart '44

### *Washington (State)*

William A. Vance '55

### *Wisconsin*

Robert G. Hottensen '40

## FOREIGN

### *France*

Archie L. Taylor '49

### *Great Britain*

Donald E. Hardy '16

### *Japan*

Toshihiko Yamaguchi '26

### *Korea*

Pyong Re Min '60

## MEMBERS AT LARGE

Stephen W. Grant '30

Howard O. Colgan, Jr. '32

Brainerd Chapman '33

William F. Cordner '40

Miner D. Crary, Jr. '42

Dolph W. Zink '43

Robert K. O'Connor '44

William H. Hall '49

Robert J. McKean, Jr. '50

Walter J. Hunziker, Jr. '51

James B. Lyon '52

Byron T. Foster '53

Seth H. Dubin '54

David M. Mace '60

# The Alumni Associations 1968-1969

## EASTERN & SOUTHERN ASSOCIATIONS

**The Association of Boston.** *President:* William B. Duffy, Jr. '55, Johnson, Clapp, Ives & King, 50 State Street, Boston 02109. *Secretary:* L. Harrison Thayer, III '49, Hale & Dorr, 60 State Street, Boston 02109.

**The Association of Cape Cod.** *President:* Theodore Southworth '19, Off Shattuck Place, Chatham, Mass. 02633. *Secretary:* C. Robin Turner '55, Box 745, Chatham, Mass. 02633.

**The Association of Central Massachusetts.** *President:* Seward E. Pomeroy '49, 29 Berwick Lane, Worcester, Mass. 01602. *Secretary:* Michael N. Abo-deely, Jr. '58, 100 Newton Avenue, North Worcester, Mass. 01602.

**The Connecticut Valley Association.** *President:* Hardy L. Nathan '50, 16 Massasoit Street, Northampton, Massachusetts 01060. *Secretary:* Jonathan P. Rice '62, Apt. D-9, 215 Ft. Pleasant Avenue, Springfield, Massachusetts 01108.

**The Association of Connecticut.** *President:* G. Franklin Smith '50, 17 Sunrise Hill Drive, West Hartford, Connecticut 06107. *Secretary:* James E. Anderson '57, 16 Powder Horn Drive, Simsbury, Connecticut 06070.

**The Association of Southern Connecticut.** *President:* Robert K. Tisdall, '50, 11 Richmond Hill Road, South Norwalk, Connecticut 06854. *Secretary:* Thomas A. Halleran III, '56, 112 Douglas Road, New Canaan, Connecticut 06840.

**The Association of Maine.** *President:* I. Jack Spiegel, '39, 40 Colonial Road, Portland, Maine 04102. *Secretary:* David F. Whorf, '50, 381 Falmouth Road, Falmouth, Maine 04105.

**The Association of New Hampshire.** *President:* David G. Underwood, II, M.D., '54, 29 Rumford Street, Concord, New Hampshire 03301. *Secretary:* John F. Swope, '60, 173 Mountain Road, Concord, New Hampshire 03301.

**The Association of Rhode Island.** *President:* Nathaniel R. Tingley, '50, 106 Benevolent Street, Providence, Rhode Island 02905. *Secretary:* William B. McCormick, '50, Apt. 102, 60 Broadway, Providence, Rhode Island 02903.

**The Association of New York.** *President:* Byron T. Foster '53, Goldman, Sachs & Co., 55 Broad Street, New York, New York 10004. *Secretary:*

## AMHERST COLLEGE

Robert K. Slote '51, J. W. Sparks & Co., 60 Broad Street, New York, New York 10004.

**The Association of Westchester.** *President:* Robert C. Ransom, '41, 22 Gladwin Place, Bronxville, New York 10708. *Secretary:* William W. Collins, '53, 47 Grace Church Street, Rye, New York 10580.

**The Association of Northeastern New York.** *President:* Donald A. MacHarg, '38, 4 Mayfair Drive, Slingerlands, New York 12159. *Secretary:* James E. Siggins, '52, R.F.D. Box 22, Feura Bush Road, Delmar, New York 12054.

**The Association of Central New York.** *President:* Jan R. Farr, '55, 204 Warwick Road, DeWitt, N.Y. 13214. *Secretary:* John S. Ferguson, '54, 433 Brattle Road, Syracuse, New York 13203.

**The Association of Western New York.** *President:* Richard L. Gernold, '60, 6635 East Quaker, Orchard Park, New York 14127. *Secretary:* James W. Greene, '61, 143 Highland Avenue, Buffalo, New York 14222.

**The Association of Rochester.** *President:* Stephen H. Waite, '58, 1 Exchange Street, Rochester, New York 14614. *Secretary:* Robert S. Charles, '57, 16 Poplar Drive, Rochester, New York 14625.

**The Association of Philadelphia.** *President:* Franklin A. Wurman, '53, 4 Windsor Avenue, Melrose Park, Philadelphia, Pennsylvania 19126. *Secretary:* Richard C. Bond, Jr., '59, 1600 Three Penn Center, Philadelphia, Pennsylvania 19102.

**The Association of Western Pennsylvania.** *President:* George O. Baker, '33, 4901 Frich Drive, Pittsburgh, Pennsylvania 15227. *Secretary:* Robert L. Munroe, '53, 613 Berkshire Drive, Pittsburgh, Pennsylvania 15215.

**The Association of Washington, D.C.** *President:* A. Lyman Warner, Jr. '58, 6125 Long Meadow Road, McLean, Virginia 22101. *Secretary:* Charles F. Turgeon '57, 19 Orchard Way, S., Rockville, Maryland 20854.

**The Association of Baltimore.** *President:* David G. Mock, '47, 1121 Bellemore Road, Baltimore, Maryland 21210. *Secretary:* Carroll R. Hebbel, '64, 4500 Mainfield Avenue, Baltimore, Maryland 21214.

**The Association of Georgia.** *President:* Robert R. Eckardt, '55, 925 Kipling Drive, N.W., Atlanta, Georgia 30318. *Secretary:* Lee N. Lindeman, '59, 149 Lake Forrest Lane, N.E., Atlanta, Georgia 30305.

**The Association of Southern Florida.** *President:* Bernard Jacobson '51, 101 East Flagler, Miami, Florida 33131. *Secretary:* Daniel S. Pearson '52, City National Bank Building, 25 West Flagler, Miami, Florida 33131.

## THE ALUMNI ASSOCIATIONS

**The Gulf Coast Alumni Association.** *President:* James J. Corral, '40, P.O. Box 376, Tampa, Florida 33601. *Secretary:* George W. Phillips, '52, P.O. Box 18364, Tampa, Florida 33609.

## CENTRAL & FAR WESTERN ASSOCIATIONS

**The Association of Northern Ohio.** *President:* Harvey O. Mierke '59, 19817 Lanbury Avenue, Warrensville Heights, Ohio 44122. *Secretary:* Hugh R. Silbaugh, Jr. '54, 4510 East 71st Street, Cleveland 44105.

**The Association of Central Ohio.** *President:* Sheldon A. Taft '59, 52 East Gay Street, Columbus, Ohio 43215. *Secretary:* William L. Millard '53, 150 East Broad Street, Columbus, Ohio 43215.

**The Association of The Ohio Valley.** *President:* Stuart J. Swensson, '46, 823 Princeton Drive, Terrace Park, Ohio 45174. *Secretary:* Terrence D. Garrigan, '50, 1016 Markley Road, Cincinnati, Ohio 45230.

**The Association of Indiana.** *President:* Gerry C. LaFollette, '55, 7016 Warwick Road, Indianapolis, Indiana 46220. *Secretary:* Robert V. Merrell, '43, Rt. #19, Box 700, Indianapolis, Indiana 46260.

**The Association of Michigan.** *President:* Maurice A. Longworth, Jr., '54, 1015 Detroit Bank & Trust Bldg., 211 West Fort Street, Detroit, Michigan 48226. *Secretary:* David L. Roll, '62, 3250 Penobscot Bldg., Detroit, Michigan 48226.

**The Amherst Club of Chicago.** *President:* Edwin H. Watkins '46, Field Enterprises, Inc. 401 North Wabash, Chicago, Illinois 60611. *Secretary:* Victor V. Dahl '57, 1430 North Astor Street, Chicago, Illinois 60610.

**The Association of Wisconsin.** *President:* Richard D. Foerster '50, WISN-TV 12 759 North 19th Street, Milwaukee, Wisconsin 53233. *Secretary:* Philip F. Alexander '51, W. H. Brady Co., 727 West Glandale Avenue, Milwaukee, Wisconsin 53209.

**The Association of St. Louis.** *President:* Edward V. Merrell '46, 35 South Rock Hill Road, Webster Groves, Missouri 63119. *Secretary:* Henry H. Stern, Jr. '59, 705 Olive Street, St. Louis, Missouri 63101.

**The Association of Minnesota.** *President:* E. C. Stringer '57, E-903 First National Bank Building, St. Paul, Minn. 55101. *Secretary:* Charles McI. Webster '57, 5029 Kent, Minneapolis, Minn. 55436.

**The Association of Phoenix.** *President:* Robert J. Walton, '57, 2200 N. Central Avenue, Phoenix, Arizona 85004. *Secretary:* William C. Haus, '50, 8344 E. Camelback Road, Scottsdale, Arizona 85251.



## AMHERST COLLEGE

**The Association of Tucson.** *President:* Linn M. Hazen, '33, 1345 Maguire Avenue, Tucson, Arizona 85715. *Secretary:* William H. Creamer, '36, P.O. Box 5913, Tucson, Arizona 85703.

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